

## Human Poly (A) RNA Polymerase, Mitochondrial (MTPAP) ELISA Kit | MTPAP elisa kit

Human Poly (A) RNA Polymerase, Mitochondrial (MTPAP) ELISA Kit

CATALOG #  
**AAA331641**

REACTIVITY  
**Human**

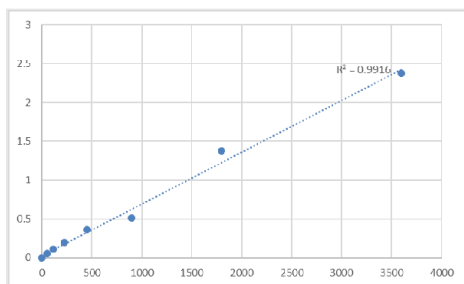
### PRODUCT SYNONYMS

Poly (A) RNA Polymerase; Mitochondrial (MTPAP); Human Poly (A) RNA Polymerase; Mitochondrial (MTPAP) ELISA Kit; MTPAP; FLJ10486; PAPD1; RP11-305E6.3; PAP associated domain containing 1; MTPAP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Poly (A) RNA polymerase, mitochondrial (MTPAP) ELISA Kit has high sensitivity and excellent specificity for detection of Human MTPAP. No significant cross-reactivity or interference between Human MTPAP and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sequence Length         | 582                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Poly (A) RNA polymerase, mitochondrial (MTPAP) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MTPAP elisa kit | <p>Description: This Human Poly (A) RNA polymerase, mitochondrial (MTPAP) ELISA Kit employs a two-site sandwich ELISA to quantitate MTPAP in samples. An antibody specific for MTPAP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MTPAP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MTPAP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MTPAP bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Background: Mitochondrial poly(A) polymerase encoded by MTPAP is a member of the DNA polymerase type-B-like family. This enzyme synthesizes the 3' poly(A) tail of mitochondrial transcripts and plays a role in replication-dependent histone mRNA degradation.</p> |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 74753002                              |
| NCBI GeneID                      | 55149                                 |
| UniProt Accession #              | Q9NVV4                                |
| NCBI Official Full Name          | Poly(A) RNA polymerase, mitochondrial |
| NCBI Official Synonym Full Names | mitochondrial poly(A) polymerase      |
| NCBI Official Symbol             | MTPAP                                 |
| NCBI Official Synonym Symbols    | PAPD1; SPAX4; TENT6                   |
| NCBI Protein Information         | poly(A) RNA polymerase, mitochondrial |
| UniProt Protein Name             | Poly(A) RNA polymerase, mitochondrial |
| UniProt Gene Name                | MTPAP                                 |
| UniProt Synonym Gene Names       | PAPD1; PAP; TUTase 1                  |
| UniProt Entry Name               | PAPD1_HUMAN                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/poly-a-rna-polymerase-mitochondrial-mtpap/331641>