

## ITPA recombinant protein

Recombinant Human ITPA Protein

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                  |
|-----------|--------|------------|-------------------------------|
| AAA263228 | E Coli | Human      | SDS-Page, Western Blot, ELISA |

### PRODUCT SYNONYMS

ITPA; Recombinant Human ITPA Protein; C20orf37; Inosine triphosphate pyrophosphatase; ITPase; Inosine triphosphatase; Non-canonical purine NTP pyrophosphatase; Non-standard purine NTP pyrophosphatase; Nucleoside-triphosphate diphosphatase; Nucleoside-triphosphate pyrophosphatase; NTPase; Putative oncogene protein hlc14-06-p; ITPA recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                                |
|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                                                                                                                                         |
| Reactivity                                           | Human                                                                                                                                                                                                                                                                          |
| Purity/Purification                                  | Greater than 95% as determined by reducing SDS-PAGE.                                                                                                                                                                                                                           |
| Form/Format                                          | Supplied as a 0.2 µM filtered solution of 20mM Tris-HCl, pH 8.0.                                                                                                                                                                                                               |
| Sequence                                             | MAASLVGKKI VFVTGNAKKL EEVVQILGDK FPCTLVAQKI DLPEYQGEPD EISIQKCQEA VRQVQGPVLV<br>EDTCLCFNAL GGLPGPYIKW FLEKLKPEGL HQLLAGFEDK SAYALCTFAL STGDPSQPVR LFRGRTSGRI<br>VAPRGCDQDFG WDPCFQPDGY EQTYAEMPKA EKNAVSHRFR ALLELQEYFG SLAALEHHHH HH                                          |
| Sequence Length                                      | 153                                                                                                                                                                                                                                                                            |
| Applicable Applications for ITPA recombinant protein | MS (Mass Spectrometry), SDS-PAGE, WB (Western Blot), ELISA                                                                                                                                                                                                                     |
| Endotoxin                                            | Less than 0.1 ng/mug (1 IEU/mug) as determined by LAL test.                                                                                                                                                                                                                    |
| Directions for Use                                   | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |
| Preparation and Storage                              | Lyophilized protein should be stored at -20 degree C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at -20 degree C for 3 months.                     |

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                     |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ITPA recombinant protein | Recombinant Human ITPA Protein is produced by our E Coli expression system and the target gene encoding Ala2-Ala194 is expressed with a 6His tag at the C-terminus. |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                           |                                                                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                 | <a href="#">390517020</a>                                                                                                                                                                                                      |
| NCBI GeneID               | <a href="#">3704</a>                                                                                                                                                                                                           |
| NCBI Accession #          | <a href="#">NP_001254552.1</a>                                                                                                                                                                                                 |
| NCBI GenBank Nucleotide # | <a href="#">NM_001267623.1</a>                                                                                                                                                                                                 |
| UniProt Accession #       | <a href="#">Q9BY32</a> ; <a href="#">O14878</a> ; <a href="#">Q5JWH4</a> ; <a href="#">Q9BYN1</a> ; <a href="#">Q9BYX0</a> ; <a href="#">Q9H3H8</a> ; <a href="#">A2A2N2</a> ; <a href="#">A4UIM5</a> ; <a href="#">B2BCH7</a> |
| Molecular Weight          | 16,833 Da                                                                                                                                                                                                                      |

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI Official Full Name          | inosine triphosphate pyrophosphatase isoform c         |
| NCBI Official Synonym Full Names | inosine triphosphatase                                 |
| NCBI Official Symbol             | ITPA                                                   |
| NCBI Official Synonym Symbols    | My049; ITPase; NTPase; C20orf37; dJ794I6.3; HLC14-06-P |
| NCBI Protein Information         | inosine triphosphate pyrophosphatase                   |
| UniProt Protein Name             | Inosine triphosphate pyrophosphatase                   |
| UniProt Gene Name                | <b>ITPA</b>                                            |
| UniProt Synonym Gene Names       | ITPase; Inosine triphosphatase; NTPase                 |
| UniProt Entry Name               | ITPA_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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