

Human Protein Prune Homolog (PRUNE) ELISA Kit | PRUNE elisa kit

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CATALOG #
AAA331279

REACTIVITY
Human

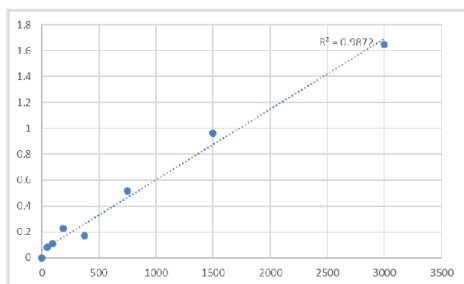
PRODUCT SYNONYMS

Protein Prune Homolog (PRUNE); Human Protein Prune Homolog (PRUNE) ELISA Kit; PRUNE; DRES-17; DRES17; HTCD37; Drosophila-related expressed sequence 17; prune; PRUNE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein prune homolog (PRUNE) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRUNE. No significant cross-reactivity or interference between Human PRUNE and analogues was observed.
Sequence Length	453
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protein prune homolog (PRUNE) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRUNE elisa kit	Description: This Human Protein prune homolog (PRUNE) ELISA Kit employs a two-site sandwich ELISA to quantitate PRUNE in samples. An antibody specific for PRUNE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRUNE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRUNE 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 PRUNE bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PRUNE, the human homologue of the Drosophila gene, is located in 1q21.3, a region highly amplified in human sarcomas, malignant tumours of mesenchymal origin. Prune protein interacts with the metastasis suppressor nm23-H1, but shows impaired affinity towards the nm23-H1 S120G mutant associated with advanced neuroblastoma. Prune may act as a negative regulator of nm23-H1 activity. PRUNE amplification was generally accompanied by high mRNA and moderate to high protein levels. The sarcoma samples expressed nm23-H1 mostly at low or moderate levels, whereas mRNA and protein levels were moderate to high in breast carcinomas. For the more aggressive sarcoma subtypes, 9/13 patients with PRUNE amplification developed metastases.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24308263
NCBI GeneID	58497
NCBI Accession #	NP_067045.1
NCBI GenBank Nucleotide #	NP_067045.1
UniProt Accession #	Q86TP1
NCBI Official Full Name	exopolyphosphatase PRUNE1 isoform 1
NCBI Official Synonym Full Names	prune exopolyphosphatase 1
NCBI Official Symbol	PRUNE1
NCBI Official Synonym Symbols	PRUNE; DRES17; HTCD37; NMIHBA; DRES-17; H-PRUNE
NCBI Protein Information	exopolyphosphatase PRUNE1
UniProt Protein Name	Protein prune homolog
UniProt Gene Name	PRUNE
UniProt Synonym Gene Names	hPrune; DRES-17; DRES17
UniProt Entry Name	PRUNE_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/protein-prune-homolog-prune/331279>