Human prune homolog (Drosophila) ELISA Kit | PRUNE elisa kit

Human Protein prune homolog, PRUNE ELISA Kit

CATALOG #	REACTIVITY
AAA113092	**Human**

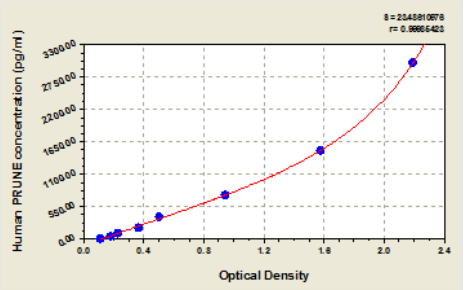
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay 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
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	47 pg/ml -3000 pg/ml.
Sensitivity	The minimum detectable dose of human PRUNE is typically less than 11.75 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRUNE elisa kit	**Principle of the Assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. 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, avidin 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24308263
NCBI GeneID	58497
NCBI Accession #	NP_067045.1
NCBI GenBank Nucleotide #	NM_021222.1
UniProt Accession #	Q86TP1; Q5SZF9; Q659E5; Q6P4E0; Q8N654; Q96JU5; Q9C071; Q9C072; Q9UIV0; B2RCH8; B4DFL7
Molecular Weight	50,200 Da
NCBI Official Full Name	protein prune homolog
NCBI Official Synonym Full Names	prune exopolyphosphatase
NCBI Official Symbol	PRUNE
NCBI Official Synonym Symbols	DRES17; HTCD37; DRES-17
NCBI Protein Information	protein prune homolog; Drosophila-related expressed sequence 17
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://stage.aaabiotech.com/human-elisa-kits/prune-homolog-drosophila/113092