

Human Persephin ELISA Kit | PSPN elisa kit

Human Persephin ELISA Kit

CATALOG #
AAA263075

REACTIVITY
Human

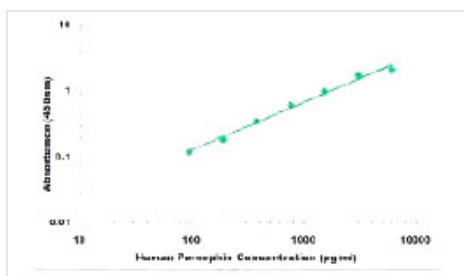
PRODUCT SYNONYMS

Persephin; Human Persephin ELISA Kit; PSP; PSPN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Persephin ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Persephin proteins within the range of 93.7 pg/ml - 6000 pg/ml.
Sequence Length	156
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSPN elisa kit

Principle of the Assay: The Human Persephin ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Persephin in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human Persephin coated on a 96-well plate. Standards and samples are pipetted into the wells and Persephin present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Persephin antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Persephin bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Persephin, also known as PSPN, is a neurotrophic factor in the glial cell line-derived neurotrophic factor (GDNF) family. Neurotrophic factors are important for the proper development and maintenance of the nervous system. These factors promote neuronal survival and can prevent the neuronal degeneration associated with injury, toxin exposure, or neurodegenerative disease. This PSPN gene is mapped to chromosome 19p13.3. The encoded protein has amino acid similarity to its other family members, glial cell line-derived neurotrophic factor and neurturin. This gene product promotes the survival of ventral midbrain dopaminergic neurons in culture and prevents their degeneration after 6-hydroxydopamine treatment in vivo.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758974
NCBI GeneID	5623
NCBI Accession #	NP_004149.1
NCBI GenBank Nucleotide #	NM_004158.3
UniProt Accession #	O60542
Molecular Weight	16,600 Da
NCBI Official Full Name	persephin preproprotein
NCBI Official Synonym Full Names	persephin
NCBI Official Symbol	PSPN
NCBI Official Synonym Symbols	PSP
NCBI Protein Information	persephin
UniProt Protein Name	Persephin
UniProt Gene Name	PSPN
UniProt Synonym Gene Names	PSP
UniProt Entry Name	PSPN_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/pspn-human-elisa-kits/persephin/263075>