

Human Profilin 2 (PFN2) ELISA Kit | PFN2 elisa kit

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CATALOG #
AAA149157

REACTIVITY
Human

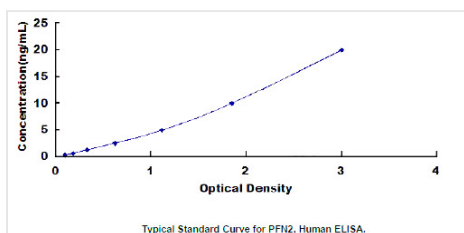
PRODUCT SYNONYMS

Profilin 2 (PFN2); Human Profilin 2 (PFN2) ELISA Kit; PFL; PFN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PFN1. No significant cross-reactivity or interference between PFN1 and analogues was observed.
Sequence Length	131
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.137ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PFN1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PFN1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PFN2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PFN1 in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PFN1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PFN1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PFN1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PFN1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PFN2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	15233538
NCBI GeneID	829056
NCBI Accession #	NP_194664.1
NCBI GenBank Nucleotide #	NM_119080.4
UniProt Accession #	Q42418; Q9FS48
Molecular Weight	13,998 Da
NCBI Official Full Name	profilin 2
NCBI Official Symbol	PFN2
NCBI Official Synonym Symbols	F17A13.170; F17A13_170; PRF2; PRO2; PROFILIN; profilin 2; PROFILIN 2
NCBI Protein Information	profilin 2
UniProt Protein Name	Profilin-2
UniProt Gene Name	PRO2
UniProt Synonym Gene Names	PFN2; PRF2

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/profilin-2-pfn2/149157>