

Human Profilin-1 (PFN1) ELISA Kit | PFN1 elisa kit

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CATALOG #
AAA331413

REACTIVITY
Human

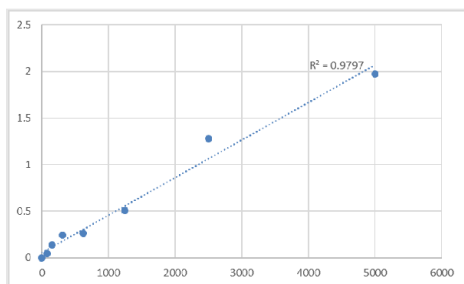
PRODUCT SYNONYMS

Profilin-1 (PFN1); Human Profilin-1 (PFN1) ELISA Kit; PFN1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Profilin-1 (PFN1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PFN1. No significant cross-reactivity or interference between Human PFN1 and analogues was observed.
Sequence Length	140
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 Profilin-1 (PFN1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PFN1 elisa kit	Description: This Human Profilin-1 (PFN1) ELISA Kit employs a two-site sandwich ELISA to quantitate PFN1 in samples. An antibody specific for PFN1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PFN1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PFN1 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 PFN1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Profilin-1 is a ubiquitous actin monomer-binding protein belonging to the profilin family. It is thought to regulate actin polymerization in response to extracellular signals. Deletion of this gene is associated with Miller-Dieker syndrome. Profilin is a ubiquitous 12- to 15-kD protein which inhibits the polymerization of actin. It is thought to function by complexing with unpolymerized actin in vivo. Dissociation of the profilin-actin complex is caused by binding of phosphatidylinositol 4,5-bisphosphate to profilin. Ampe et al. (1988) described the amino acid sequence of human platelet profilin and found it to have 95% homology to the sequence of calf spleen profilin.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4826898
NCBI GeneID	5216
NCBI Accession #	NP_005013.1
NCBI GenBank Nucleotide #	NP_005013.1
UniProt Accession #	P07737
NCBI Official Full Name	profilin-1
NCBI Official Synonym Full Names	profilin 1
NCBI Official Symbol	PFN1
NCBI Official Synonym Symbols	ALS18
NCBI Protein Information	profilin-1
UniProt Protein Name	Profilin-1
UniProt Gene Name	PFN1
UniProt Entry Name	PROF1_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.