

Human Lens Epithelium Derived Growth Factor (LEDGF) ELISA Kit | LEDGF elisa kit

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CATALOG #
AAA189860

REACTIVITY
Human

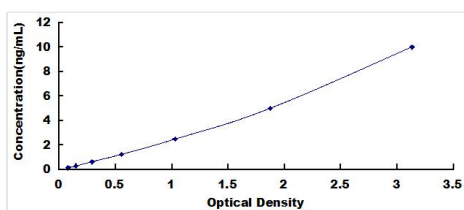
PRODUCT SYNONYMS

Lens Epithelium Derived Growth Factor (LEDGF); Human Lens Epithelium Derived Growth Factor (LEDGF) ELISA Kit; PSIP1; p75; p52; DFS70; PAIP; PSIP2; PC4 And SFRS1 Interacting Protein 1; CLL-associated antigen KW-7; Dense fine speckles 70 kDa protein; Transcriptional coactivator p75/p52; LEDGF/Lens Epithelium Derived Growth Factor; LEDGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of LEDGF. No significant cross-reactivity or interference between LEDGF and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level LEDGF 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 LEDGF were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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 LEDGF elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to LEDGF. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to LEDGF. 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 LEDGF, 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 LEDGF in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of LEDGF in human tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for LEDGF elisa kit	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	190014588
NCBI GeneID	11168
NCBI Accession #	NP_001121689.1
NCBI GenBank Nucleotide #	NM_001128217.2
UniProt Accession #	O75475; O00256; O95368; Q6P391; Q86YB9; Q9NZI3; Q9UER6; D3DRI9
Molecular Weight	37,268 Da
NCBI Official Full Name	PC4 and SFRS1-interacting protein isoform 2
NCBI Official Synonym Full Names	PC4 and SFRS1 interacting protein 1
NCBI Official Symbol	PSIP1
NCBI Official Synonym Symbols	p52; p75; PAIP; DFS70; LEDGF; PSIP2
NCBI Protein Information	PC4 and SFRS1-interacting protein
UniProt Protein Name	PC4 and SFRS1-interacting protein
UniProt Gene Name	PSIP1
UniProt Synonym Gene Names	DFS70; LEDGF; PSIP2; DFS 70
UniProt Entry Name	PSIP1_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.