

Lens Epithelium Derived Growth Factor (LEDGF) Recombinant Protein | LEDGF recombinant protein

Recombinant Lens Epithelium Derived Growth Factor (LEDGF)

CATALOG # AAA135559	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Lens Epithelium Derived Growth Factor (LEDGF); Recombinant Lens Epithelium Derived Growth Factor (LEDGF); LEDGF recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 95%
Form/Format	Freeze-dried powder; 20mM Tris, 150mM NaCl, pH 8.0, containing 0.01% Sarcosyl, 5% Trehalose.
Concentration	Original Concentration: 100ug/mL (varies by lot)
Applicable Applications for LEDGF recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Asp311~Glu469
Tags	N-terminal His Tag
Subcellular Location	Nucleus
Predicted isoelectric point	9.6
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc
Usage	Reconstitute in ddH ₂ O to a concentration of 0.1-0.5 mg/mL. Do not vortex
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

SDS_PAGE



Sequence



Gene Sequence



SDS-PAGE
Figure. SDS-PAGE



NCBI AND UNIPROT INFORMATION

NCBI GI #	19527168
NCBI GeneID	101739
NCBI Accession #	NP_598709.1
NCBI GenBank Nucleotide #	NM_133948.4
UniProt Accession #	Q99JF8; Q3TEJ7; Q3TTD7; Q3UTA1; Q80WQ7; Q99JF7; Q99LR4; Q9CT03; A2BI10; A2BI11
Molecular Weight	Predicted Molecular Mass: 22.5kDa Accurate Molecular Mass: 26&24&23kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	PC4 and SFRS1-interacting protein
NCBI Official Synonym Full Names	PC4 and SFRS1 interacting protein 1
NCBI Official Symbol	Psip1
NCBI Official Synonym Symbols	Dfs70; Psip2; Ledgfa; Ledgfb; AA408851; AU015605
NCBI Protein Information	PC4 and SFRS1-interacting protein; mLEDGF; dense fine speckles 70; PC4 and SFRS1 interacting protein 2; lens epithelium-derived growth factor
UniProt Protein Name	PC4 and SFRS1-interacting protein
UniProt Gene Name	Psip1
UniProt Synonym Gene Names	Ledgf; mLEDGF
UniProt Entry Name	PSIP1_MOUSE

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/psip1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/135559>