

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

Recombinant Lens Epithelium Derived Growth Factor (LEDGF)

CATALOG # AAA149300	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	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Concentration	150ug/mL (varies by lot)
Sequence Positions	Met1~Asn64
Applicable Applications for LEDGF recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Tags	N-terminal His and GST Tag
Subcellular Location	Nucleus
Traits	Freeze-dried powder
Predicted isoelectric point	7.7
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 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°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°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

Sequence



Identification

Gene Sequencing



SDS-PAGE



ADDITIONAL INFORMATION

Related Product Information for LEDGF recombinant protein	Predicted Molecular Mass: 37.3kDa Accurate Molecular Mass: 42kDa as determined by SDS-PAGE reducing conditions.
Product Categories/Family for LEDGF recombinant protein	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	3283352
NCBI GeneID	11168
Molecular Weight	Predicted MW: 37.3 kDa Accurate MW: 42 kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	lens epithelium-derived growth factor
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

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.