

Recombinant Human LIM2 protein, His & T7-tagged

Cat. No. LIM2-7894H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human LIM2 aa. (Gln30~Phe136 (Accession # P55344)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln30~Phe136
Description	This gene encodes an eye lens-specific protein found at the junctions of lens fiber cells, where it may contribute to cell junctional organization. It acts as a receptor for calmodulin, and may play an important role in both lens development and cataractogenesis. Mutations in this gene have been associated with cataract formation. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.8kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 10.1.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	LIM2 lens intrinsic membrane protein 2 [Homo sapiens (human)]
Official Symbol	LIM2
Synonyms	LIM2; lens intrinsic membrane protein 2; MP17; MP19; CTRCT19; lens fiber membrane intrinsic protein; MP18; MP20; lens intrinsic membrane protein 2, 19kDa
Gene ID	3982
mRNA Refseq	NM_001161748.1
Protein Refseq	NP_001155220.1

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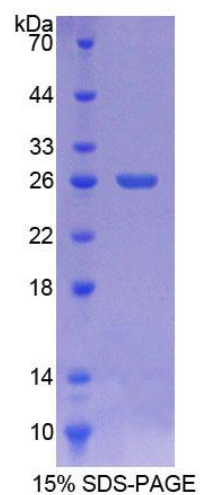
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UniProt ID

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SDS-PAGE

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