

Active Recombinant Human LCN1 protein, His-tagged

Cat. No. LCN1-3216H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human LCN1 protein(NP_002288.1)(Met 1-Asp176) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-176 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its ability to inhibit active Cathepsin V cleavage of a fluorogenic peptide substrate Z-LR-AMC. The IC50 value is < 400 nM.
Molecular Mass	The secreted recombinant human LCN1 consists of 169 amino acids and has a predicted molecular mass of 19 kDa The apparent molecular mass of the protein is approximately 20 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name LCN1 lipocalin 1 [Homo sapiens]

Official Symbol LCN1

Synonyms LCN1; lipocalin 1; lipocalin 1 (protein migrating faster than albumin, tear prealbumin), lipocalin 1 (tear prealbumin); lipocalin-1; lipocalin 1 like 2; MGC71975; PMFA; tear lipocalin; tear prealbumin; TLC; TP; VEGP; Von Ebner gland protein; VEG protein; lipocalin 1 (tear prealbumin); protein migrating faster than albumin;

Gene ID 3933

mRNA Refseq NM_001252618

Protein Refseq NP_001239547

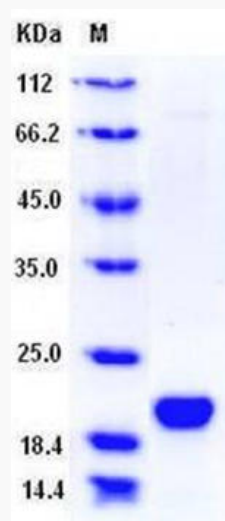
MIM 151675

UniProt ID P31025

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SDS-PAGE

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