

Recombinant Mouse Lcn2 protein(Met1-Asn200), His-tagged

Cat. No. Lcn2-3271M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse LCN2 (NP_032517.1)(Met 1-Asn 200) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-200 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind Iron(III) dihydroxybenzoic acid [Fe(DHBA)3]. The binding of Fe(DHBA)3 results in the quenching of Trp fluorescence in recombinant mouse Lipocalin-2. Recombinant mouse Lipocalin-2 can bind >1.0 μM of Fe(DHBA)3.
Molecular Mass	The secreted recombinant mouse LCN2 consists of 191 amino acids and has a calculated molecular mass of 22.3 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 25 kDa protein in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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 Lcn2 lipocalin 2 [Mus musculus]

Official Symbol Lcn2

Synonyms LCN2; lipocalin 2; neutrophil gelatinase-associated lipocalin; p25; lipocalin-2; SV-40-induced 24P3 protein; secreted inducible protein 24; 24p3; Sip24; AW212229;

Gene ID 16819

mRNA Refseq NM_008491

Protein Refseq NP_032517

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