

Recombinant Mouse Lcn2, His-tagged

Cat. No. Lcn2-73M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Lcn2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
Description	Lcn2 also known as neutrophil gelatinase-associated lipocalin, belongs to the calycin superfamily and Lipocalin family. LCN2 is an iron-trafficking protein involved in multiple processes such as apoptosis, innate immunity and renal development. The binding of LCN2 to bacterial siderophores is important in the innate immune response to bacterial infection. Also LCN2 functions as a growth factor. LCN2 is strongly upregulated during inflammation and is upregulated by interleukin 1 (but not TNF alpha) in humans.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT
Molecular Mass	23.3kDa (203aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQDSTQNL IPAPSLLTVP LQPDFRSDQF RGRWYVVGLA GNAVQKKTEG SFTMYSTIYE LQENNSYNVT SILVRDQDQG CRYWIRTFVP SSRAGQFTLG NMHRYPQVQS YNVQVATTDY NQFAMVFFRK TSENKQYFKI TLYGRTKELS PELKERFTRF AKSLGLKDDN IIFSVPTDQC IDN
Purity	>85% by SDS - PAGE

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Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
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Concentration	0.5mg/ml (determined by Bradford assay)
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GENE INFORMATION

Gene Name	Lcn2 lipocalin 2 [Mus musculus]
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Official Symbol	Lcn2
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Synonyms	LCN2; lipocalin 2; neutrophil gelatinase-associated lipocalin; p25; lipocalin-2; SV-40-induced 24P3 protein; secreted inducible protein 24; 24p3; Sip24; AW212229;
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Gene ID	16819
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mRNA Refseq	NM_008491
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Protein Refseq	NP_032517
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Function	binding; iron ion binding; protease binding; protein binding; protein homodimerization activity; transporter activity;
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