

Recombinant Full Length Human LCN2 Protein, C-Flag-tagged

Cat. No. LCN2-1454HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human LCN2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a protein that belongs to the lipocalin family. Members of this family transport small hydrophobic molecules such as lipids, steroid hormones and retinoids. The protein encoded by this gene is a neutrophil gelatinase-associated lipocalin and plays a role in innate immunity by limiting bacterial growth as a result of sequestering iron-containing siderophores. The presence of this protein in blood and urine is an early biomarker of acute kidney injury. This protein is thought to be involved in multiple cellular processes, including maintenance of skin homeostasis, and suppression of invasiveness and metastasis. Mice lacking this gene are more susceptible to bacterial infection than wild type mice.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	22.4 kDa
AA Sequence	MPLGLLWLGLALLGALHAQAQDSTSDLPAPPLSKVPLQQNFQDNQFQGKWYVVGL AGNAILREDKDPQK MYATIYELKEDKSYNVTSVLFRKKKCDYWIRTFVPGCQPGEFT LGNIKSYPLTSLYLRVVSTNYNQHAM VFFKKVSQNREYFKITLYGRTELTSELKENFIRFSKSLGLPENHIVFPVPIDQCIDGT

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	RTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	LCN2 lipocalin 2 [Homo sapiens (human)]
Official Symbol	LCN2
Synonyms	p25; 24p3; MSFI; NGAL
Gene ID	3934
mRNA Refseq	NM_005564.5
Protein Refseq	NP_005555.2

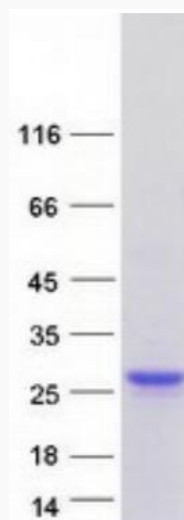
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MIM 600181

UniProt ID P80188



Coomassie blue staining of purified LCN2 protein.

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