

LCN2 recombinant protein

LCN2, 21-198aa, Human, His tag, E Coli

CATALOG # AAA48683	HOST E Coli	APPLICATIONS SDS-Page
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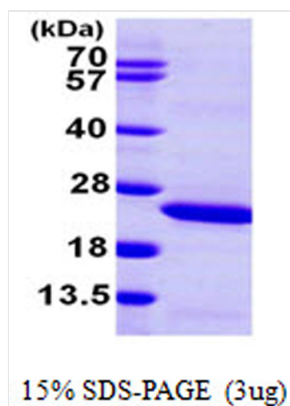
PRODUCT SYNONYMS

LCN2; 21-198aa; Human; His tag; E Coli; Neutrophil gelatinase-associated lipocalin; Lipocalin-2; MSFI; NGAL; Oncogene 24p3; p25; HNL; LCN2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 50mM NaCl
Concentration	1mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MQDSTSDLIP APPLSKVPLQ QNFQDNQFQG KQYVVGLAGN AILREDKDPQ KMYATIIYELK EDKSYNVTSV LFRKKKCDYW IRTFVPGCQP GEFTLGNIKS YPGLTSYLVR VVSTNYNQHA MVFFKKVSQN REYFKITLYG RTKELTSELK ENFIRFSKSL GLPENHIVFP VPIDQCIDG
Sequence Length	198
Applicable Applications for LCN2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for LCN2 recombinant protein	Neutrophil gelatinase-associated lipocalin (NGAL), also known as LCN2, 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. Recombinant human LCN2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for LCN2 recombinant protein	Immunology
References	Flo TH., et al. (2004) Nature 432 (7019): 917-21; Yang J., et al. (2002) Mol. Cell 10:1045-1056

NCBI AND UNIPROT INFORMATION

NCBI GI #	38455402
NCBI GeneID	3934
NCBI Accession #	NP_005555
NCBI GenBank Nucleotide #	NM_005564.4
UniProt Accession #	P80188; P30150; Q5SYV9; Q5SYW0; Q6FGL5; Q92683; A6NII8; B4DWV4; B7ZAA2
Molecular Weight	22.8kDa (199aa), confirmed by MALDI-TOF
NCBI Official Full Name	neutrophil gelatinase-associated lipocalin
NCBI Official Synonym Full Names	lipocalin 2
NCBI Official Symbol	LCN2
NCBI Official Synonym Symbols	p25; 24p3; MSFI; NGAL
NCBI Protein Information	neutrophil gelatinase-associated lipocalin
UniProt Protein Name	Neutrophil gelatinase-associated lipocalin
UniProt Gene Name	LCN2
UniProt Synonym Gene Names	HNL; NGAL; NGAL

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.