

Recombinant Human lipocalin 1, His-tagged

Cat. No. LCN1-593H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LCN1, 19-176aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	19-176 a.a.
Description	LCN1 is a member of the lipocalin family of small secretory proteins. Lipocalins are extracellular transport proteins that bind to a variety of hydrophobic ligands. This protein is the primary lipid binding protein in tears and is overproduced in response to multiple stimuli including infection and stress. It may be a marker for chromosome aneuploidy as well as an autoantigen in Sjogren"s syndrome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and two pseudogenes of this gene are also located on the long arm of chromosome 9. Recombinant human LCN1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT
Molecular Mass	20.1 kDa (183aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMHLLA SDEEIQDVSG TWYLKAMTVD REFPEMNLES VTPMTLTTL GGNLEAKVTM LISGRCQEVK AVLEKTDEPG KYTADGGKHV AYIIRSHVKD HYIFYCEGEL HGKPVRGVKL VGRDPKNNLE

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	ALEDFEKAAG ARGLSTESIL IPRQSETCSP GSD
Purity	>90 % by SDS - PAGE
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.
Concentration	1.0 mg/ml (determined by Bradford assay)
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
Chromosome Location	9q34

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Function

binding; cysteine-type endopeptidase inhibitor activity; transporter activity;

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