

Recombinant human Lipocalin-1 protein

Catalog Number: ATGP2816

PRODUCT INFORMATION

Expression system

E.coli

Domain

19-176aa

UniProt No.

P31025

NCBI Accession No.

NP_001239546

Alternative Names

Lipocalin-1, PMFA, TLC, TP, VEGP

PRODUCT SPECIFICATION

Molecular Weight

20.1 kDa (183aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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-

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terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

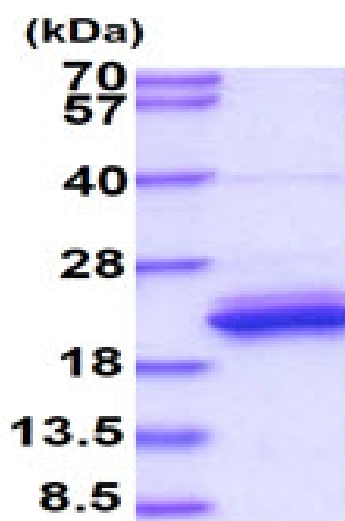
MGSSHHHHHH SSGLVPRGSH MGSHMHLLA SDEEQDVSG TWYLKAMTVD REFPEMNLES VTPMTLTTLTLE
GGNLEAKVTM LISGRCQEVK AVLEKTDEPG KYTADGGKHV AYIIRSHVKD HYIFYCEGEL HGKPVRGVKL VGRDPKNNLE
ALEDFEKAAG ARGLSTESIL IPRQSETCSP GSD

General References

Dartt DA. (2011), Ocul Surf. 9(3):126-38.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)