

# Product information

## LCN1, 19-176aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP2816

**Full name:** Lipocalin-1

**NCBI Accession No.:** NP\_001239546

**Synonyms:** PMFA, TLC, TP, VEGP

**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.

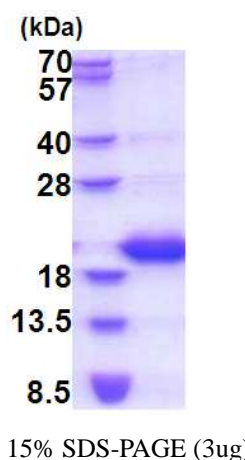
**Form:** Liquid. In Phosphate buffered saline (pH7.4) containing

10% glycerol, 1mM DTT

**Molecular Weight:** 20.1 kDa (183aa) confirmed by MALDI-TOF

**Purity:** > 90 % by SDS - PAGE

**Concentration:** 1.0 mg/ml (determined by Bradford assay)



**Sequences of amino acids:**

MGSSHHHHHH SSGLVPRGSH MGSMMHLLA SDEEIQDVSG TWYLKAMTVD REFPEMNL E S VTPMTLTTLE GGNLEAKVTM LISGR CQEVK  
AVLEKTDEPG KYTADGGKHV AYIIRSHVKD HYIFYCEGEL HGKPV RGVKL VGRDPKNNLE ALEDFEKAAG ARG LSTESIL IPRQSETCSP  
GSD

**General references:**

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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.