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**Product Data Sheet**


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Product Name: LCN1 Human  
 Cat. No.: GP21866  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Lipocalin-1; PMFA; TLC; TP; VEGP; Tear lipocalin; Tear prealbumin; Von Ebner gland protein; VEG protein.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHMHLLA SDEIQDVSG TWYLKAMTVD REFPEMNLES VTPMTLTTLEGGNLEAKVTM LISGRCQEVK AVLEKTDEPG KYTADGGKHV AYIIRSHVKD HYIFYCEGEL HGKPVRGVKLVGRDPKNNLE ALEDFEKAAG ARGLSTESIL IPRQSETCSP GSD.		
Formulation	LCN1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 10% glycerol and 1mM DTT.		

**Introduction**

Lipocalin-1 (LCN1) belongs to the lipocalin family of small secretory proteins. Lipocalins are extracellular transport proteins, which bind to various hydrophobic ligands. LCN1 protein is the principal lipid binding protein in tears and is overproduced in response to numerous stimuli including infection and stress. LCN1 is a marker for chromosome aneuploidy as well as an autoantigen in Sjogren's syndrome.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

LCN1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 183 amino acids (19-176 a.a) and having a molecular mass of 20.1kDa. LCN1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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