

**Lcn2, 21-200aa , Mouse, His tag, E.coli**

**Cat.NO.: TP02791**

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3th Edition

**Synonyms:**Neutrophil gelatinase-associated lipocalin, 24p3, AW212229, Sip24

**Description:**Lcn2 also known as neutrophil gelatinase-associated lipocalin, 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 mouse Lcn2 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:**23.3kDa (203aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSQDSTQNLIPAPSLLTVP LQP DFRSDQFRGRWYVVGLAGNAVQKKTEGSFTM  
YSTIYELQENNSYNVTSILVRDQDQGCRYWIRTFVPSSRAGQFTLGNMHRYPQVQSYNVQVATTDY NQFAMVFFR  
KTSENKQYFKITLYGR TKEL SPELKERFTRFAKSLGLKDDNIIFSVPTDQCIDN

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.