

LCN2, 21-198aa, Human, His tag, E.coli

Cat.NO.: TP02789

3th Edition

Synonyms:Neutrophil gelatinase-associated lipocalin, Lipocalin-2, MSFI, NGAL, Oncogene 24p3, p25, HNL

Description:Neutrophil gelatinase-associated lipocalin (NGAL), also known as LCN2, 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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 1mM DTT, 50mM NaCl

Molecular Weight:22.8kDa (199aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMQDSTSDLIPAPPLSKVPLQQNFQDNQFQGKWYVVGLAGNAILREDKDPQKMYA
TIYELKEDKSYNVTSVLFRKKKCDYWIRTFVPGCQPGEFTLGNIKSYPLTSLVLRVVSTNYNQHAMVFFKKVSQNR
EYFKITLYGRTKELTSELKENFIRFSKSLGLPENHIVFPVPIDQCIDG

Purity:> 95% by HPLC

Concentration:1 mg/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.