

Recombinant mouse Lipocalin-2/NGAL protein

Catalog Number: ATGP3093

PRODUCT INFORMATION

Expression system

E.coli

Domain

21-200aa

UniProt No.

P11672

NCBI Accession No.

NP_032517

Alternative Names

Neutrophil gelatinase-associated lipocalin, 24p3, AW212229, Sip24

PRODUCT SPECIFICATION

Molecular Weight

23.3 kDa (203aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% 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

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.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSQDSTQNL IPAPSLLTVP LQPDRSDQF RGRWYVVGLA GNAVQKKTEG SFTMYSTIYE
LQENNSYNVT SILVRDQDQG CRYWIRTFVP SSRAGQFTLG NMHRYPQVQS YNVQVATTDY NQFAMVFFRK TSENKQYFKI
TLYGRTKELS PELKERFTRF AKSLGLKDDN IIFSVPTDQC IDN

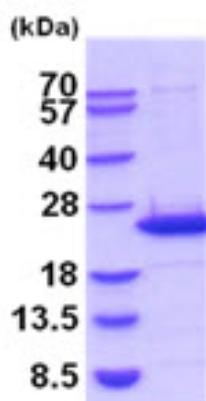
General References

Yang J., et al. (2002) Mol. Cell 10:1045-1056.

Flo T.H., et al. (2004) Nature 432:917-921.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)