Recombinant Rat Lcn2 protein, His-tagged

Cat. No. Lcn2-51R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Lcn2(21-198aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	21-198 a.a.
Description	Lcn2 also known as Neutrophil gelatinase-associated lipocalin. It belongs to the calycin superfamily and Lipocalin family. It is essential component of the antimicrobial innate immune system, is present in neutrophils and multiple other tissues. It prevents iron acquisition by microorganisms by sequestering iron-loaded bacterial siderophores. In contrast to its pro-apoptotic activity, Lcn2 has also been reported to be a survival factor. Lcn2 protected thyroid carcinoma cells from apoptosis induced by serum deprivation and silencing of Lcn2 reduced thyroid tumor growth.
Form	Liquid. In Phosphate Buffered Saline (pH7.4) containing 20% glycerol
Molecular Mass	22.9kDa (201aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSQDSTQNL IPAPPLISVP LQPGFWTERF QGRWFVVGLA ANAVQKERQS RFTMYSTIYE LQEDNSYNVTSILVRGQGCR YWIRTFVPSS RPGQFTLGNI HSYPQIQSYD VQVADTDYDQ FAMVFFQKTS ENKQYFKVTL YGRTKGLSDE LKERFVSFAKSLGLKDNNIV FSVPTDQCID N

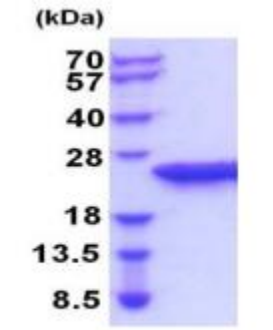
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95% by SDS - PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	Lcn2 lipocalin 2 [Rattus norvegicus]
Official Symbol	Lcn2
Synonyms	LCN2; lipocalin 2; neutrophil gelatinase-associated lipocalin; p25; NGAL; lipocalin-2; lipocalin 2 (oncogene 24p3); alpha-2U globulin-related protein; alpha-2-microglobulin-related protein; Sip24;
Gene ID	170496
mRNA Refseq	NM_130741
Protein Refseq	NP_570097
UniProt ID	P30152

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15% SDS-PAGE (3ug)

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