

## Recombinant Rat Lcn2 protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Lcn2(21-198aa) fused with His tag at N-terminal was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	21-198 a.a.
<b>Description</b>	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.
<b>Form</b>	Liquid. In Phosphate Buffered Saline (pH7.4) containing 20% glycerol
<b>Molecular Mass</b>	22.9kDa (201aa) confirmed by MALDI-TOF
<b>AA Sequence</b>	MGSSHHHHHH SGLVPRGSH MGSQDSTQNL IPAPPLISVP LQPGFWTERF QGRWFVVGLA ANAVQKERQS RFTMYSTIYE LQEDNSYNVTSILVRGQGCR YWIRTFVPSS RPGQFTLGN IHSYPQIQSYD VQVADTDYDQ FAMVFFQKTS ENKQYFKVTL YGR TKGLSDE LKERFVSFAKSLGLKDNNIV FSVPTDQCID N

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<b>Purity</b>	> 95% by SDS - PAGE
<b>Storage</b>	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.
<b>Concentration</b>	0.25mg/ml (determined by Absorbance at 280nm)

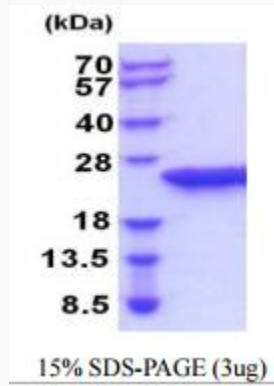
## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Lcn2 lipocalin 2 [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	<a href="#">Lcn2</a>
<b>Synonyms</b>	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;
<b>Gene ID</b>	<a href="#">170496</a>
<b>mRNA Refseq</b>	<a href="#">NM_130741</a>
<b>Protein Refseq</b>	<a href="#">NP_570097</a>
<b>UniProt ID</b>	<a href="#">P30152</a>

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