Recombinant Mouse Lipocalin 2, His-tagged

Cat. No. Lcn2-1007M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lipocalin 2 was produced in*E.Coli*fused with his tag.
Species	Mouse
Source	E.coli
Description	Lipocalin-2(LCN2), also known as neutrophil gelatinase-associated lipocalin (NGAL), 24p3, siderocalin, or neutrophil lipocalin (NL), is a 25-kDa secretory glycoprotein which is expressed in liver, lung, kidney, adipocytes, activated neutrophils, and macrophages. LCN2 appears to be upregulated in the case of information and infection conditions. Several reports suggest that LCN2 may represent a sensitive biomarker for various renal injuries and somehow may be involved in the pathophysiological process of some chronic renal diseases. LCN2 is also high expressed under high fat diet and obese background especially in adipose tissue and is closely associated with obesity, insulin resistance, and hyperglycemia in humans.
Amino Acid Sequence	MALSVMCLGL ALLGVLQSQA QDSTQNLIPA PSLLTVPLQP DFRSDQFRGR WYVVGLAGNA VQKKTEGSFT MYSTIYELQE NNSYNVTSIL VRDQDQGCRY WIRTFVPSSR AGQFTLGNMH RYPQVQSYNV QVATTDYNQF AMVFFRKTSE NKQYFKITLY GRTKELSPEL KERFTRFAKS LGLKDDNIIF SVPTDQCIDN
Form	Filtered (0.22 μm) and lyophilized in 1 mg/mL in PBS.
Purity	>95%.

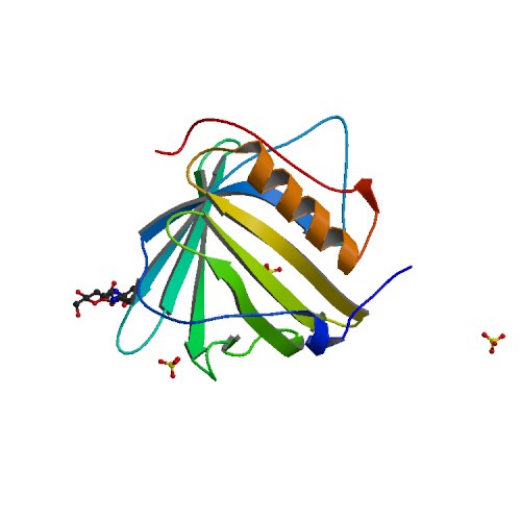
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	ELISA, Western blotting, Immunoprecipitation
Reconstitution	Add deionized water to prepare a working stock solution of approximately 1 mg/mL and let the lyophilized pellet dissolve completely. Product is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.
Storage	Store lyophilized protein at -20°C. Lyophilized protein remains stable until the expiry date when stored at -20°C. Aliquot reconstituted protein to avoid repeated freezing /thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

GENE INFORMATION

Gene Name	Lcn2 lipocalin 2 [Mus musculus]
Synonyms	Lcn2; lipocalin 2; 24p3; Sip24; AW212229; OTTMUSP00000013951; secreted inducible protein 24;NGAL
Gene ID	16819
mRNA Refseq	NM_008491
Protein Refseq	NP_032517
UniProt ID	P11672
Chromosome Location	2 27.0 cM
Function	Binding; transporter activity

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PDB rendering based on 1dfv.	

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