

Active Recombinant Rat Lcn2 protein(Met1-Asn198), His-tagged

Cat. No. Lcn2-5176R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat LCN2 (P30152) (Met 1-Asn 198) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	Insect Cells
ProteinLength	Met1-Asn198
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 7.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind Iron(III) dihydroxybenzoic acid [Fe(DHBA)3]. The binding of Fe(DHBA)3 results in the quenching of Trp fluorescence in Lipocalin2. It binds >1.0 µM of Fe(DHBA)3.
Molecular Mass	The recombinant rat LCN2 comprises 188 amino acids with and has a predicted molecular mass of 21.9 kDa. It migrates as an approximately 25 kDa band in reduced SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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](#)

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