

Active Recombinant Mouse Lxn protein, His-tagged

Cat. No. Lxn-3998M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Lxn protein(NP_058033.2)(Glu2-Glu222), fused with His tag, was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Glu2-Glu222
Form	Lyophilized from sterile PBS, pH 8.0, 10% glycerolPlease contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit carboxypeptidase-A1 cleavage of the colorimetric peptide substrate Ac-Phe-Thiaphe-OH in the presence of 5,5'Dithiobis(2-nitrobenzoic acid) (DTNB) (Edwards, K.M. et al, 1999, J. Biol. Chem. 274:30468). The IC50 value is <2.0 nM .
Molecular Mass	The recombinant mouse LXN consisting of 228 amino acids and has a calculated molecular mass of 26.3 kDa. The apparent molecular mass of the rmLXN is approximately 32 kDa in SDS-PAGE under reducing conditions.
Purity	> 95 % 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.
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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.
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GENE INFORMATION

Gene Name	Lxn latexin [Mus musculus]
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Official Symbol	Lxn
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Synonyms	LXN; latexin; ECI; TCI; tissue carboxypeptidase inhibitor; endogenous carboxypeptidase inhibitor; MGC144352; MGC144353;
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Gene ID	17035
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mRNA Refseq	NM_016753
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Protein Refseq	NP_058033
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