

## Active Recombinant Mouse Lxn protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Lxn protein(NP_058033.2)(Glu2-Glu222), fused with His tag, was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Glu2-Glu222
<b>Form</b>	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.
<b>Bio-activity</b>	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 .
<b>Molecular Mass</b>	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.
<b>Purity</b>	> 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.

**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** Lxn latexin [ *Mus musculus* ]

**Official Symbol** Lxn

**Synonyms** LXN; latexin; ECI; TCI; tissue carboxypeptidase inhibitor; endogenous carboxypeptidase inhibitor; MGC144352; MGC144353;

**Gene ID** 17035

**mRNA Refseq** NM\_016753

**Protein Refseq** NP\_058033

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