

Mouse Latexin (His Tag) recombinant protein



Catalog Number: 501770

General Information

Gene Name Synonym

Endogenous carboxypeptidase inhibitor; Tissue carboxypeptidase inhibitor

Protein Construction

A DNA sequence encoding the mouse LXN (NP_058033.2) (Glu 2-Glu 222) was expressed, with a polyhistidine tag at the N-terminus.

Organism

Mouse

Expression Host

E. coli

QC Testing

Activity

Measured by its ability to inhibit carboxypeptidase-A1 cleavage of the colorimetric peptide substrate Ac-Phe-Thiapho-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 .

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

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.

Formulation

Lyophilized from sterile PBS, pH 8.0, 10% glycerol
1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

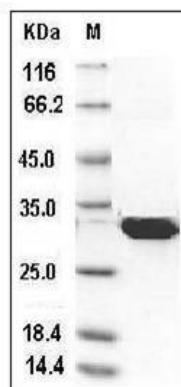
Storage

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

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse LXN / Latexin Protein (His Tag) SDS-PAGE