

Mouse EGFL7/VE-statin (His Tag) recombinant protein



Catalog Number: 502903

General Information

Gene Name Synonym

Multiple epidermal growth factor-like domains protein 7; NOTCH4-like protein; Vascular endothelial statin; Zneu1

Protein Construction

A DNA sequence encoding the mouse EGFL7 isoform 1 (Q9QXT5-1) (Glu 22-Leu 275) was fused with a polyhistidine tag at the N-terminus.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When 4×10^4 cells/well are added to mouse EGFL7 coated plates (0.8 $\mu\text{g}/\text{ml}$, 100 $\mu\text{l}/\text{well}$), approximately >40% will adhere after one hour at 37 °C.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

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 EGFL7 consists of 273 amino acids and has a calculated molecular mass of 29.8 kDa. It migrates as an approximately 34 kDa band in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 10% gly, pH 7.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

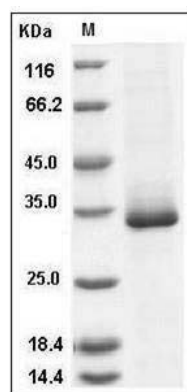
Storage

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



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