

# Human EGFL7/VE-statin (His Tag) recombinant protein



Catalog Number: 501988

## General Information

### Protein Construction

A DNA sequence encoding the mature form of human EGFL7 (NP\_057299.1) (Tyr 24-Ser 273) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

1. Measured by the ability of the immobilized protein to support the adhesion of the HUVEC human umbilical vein endothelial cell line. When  $5 \times 10^4$  cells/well are added to human EGFL7 coated plates (4  $\mu$ g/ml and 100  $\mu$ l/well), approximately >40% will adhere after 1 hour at 37 °C.
2. Measured by its ability to bind human NOTCH1 in a functional ELISA.

### Purity

> 92 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g 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

His

### Molecular Mass

The recombinant human EGFL7 consists of 268 amino acids and predicts a molecular mass of 29.4 kDa. It migrates as an approximately 31 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 10% glycerol, 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

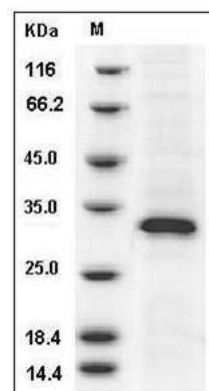
### Storage

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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