

## General Information

### Protein Construction

A DNA sequence encoding the mouse FLRG (NP\_113557.1) (Met 1-Val 256) was fused with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA. Immobilized mouse FLRG-His (Cat: 10591-M08H) at 10 µg/ml (100 µl/well) can bind biotinylated human INHBA-His (Cat: 10429-H08H) with a linear range of 6.25-50 ng/ml.
2. Measured by its binding ability in a functional ELISA. Immobilized mouse FLRG-His (Cat: 10591-M08H) at 10 µg/ml (100 µl/well) can bind biotinylated mouse INHBA-His (Cat: 500709) with a linear range of 6.25-50 ng/ml.
3. Measured by its ability to neutralize Activin-mediated inhibition on MPC11 cell proliferation. The ED<sub>50</sub> for this effect is typically 5-25 ng/mL in the presence of 10 ng/mL rhActivin A.

### Purity

> 85 % 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

Val 24

### Molecular Mass

The secreted recombinant mouse FLRG generated after removal of the signal peptide comprises 244 amino acids with a predicted molecular mass of 26 kDa. As a result of glycosylation, it migrates as an approximately 35-40 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

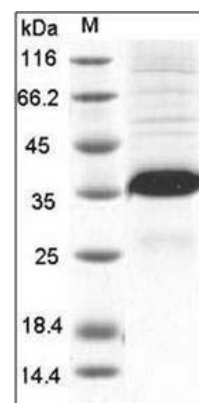
### Storage

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 FLRG/Fstl3 (His Tag) recombinant protein



Catalog Number: 502277

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Mouse FLRG / Fstl3 Protein (His Tag) SDS-PAGE