

Mouse PILR-alpha/PILRA (His Tag) recombinant protein



Catalog Number: 502177

General Information

Gene Name Synonym

Cell surface receptor FDF03; Inhibitory receptor PILR-alpha

Protein Construction

A DNA sequence encoding the mouse PILRA (NP_705730.1) extracellular domain (Met 1-Val 197) was fused with a polyhistidine tag at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse PILRA at 20 µg/ml (100 µl/well) can bind mouse CD99. The EC₅₀ of mouse CD99 is 1.55 µg/ml.

Purity

> 97 % 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

Glu 32

Molecular Mass

The recombinant mouse PILRA consists of 177 amino acids and has a predicted molecular mass of 20.2 kDa. As a result of glycosylation, the apparent molecular mass of rm PILRA is approximately 35-45 kDa 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

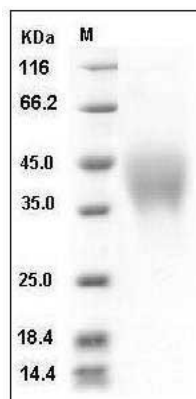
Storage

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 PILR-alpha / PILRA Protein (His Tag) SDS-PAGE