

Mouse IL-1R1/CD121a (His Tag) recombinant protein



Catalog Number: 502163

General Information

Gene Name Synonym

CD121 antigen-like family member A; Interleukin-1 receptor alpha; Interleukin-1 receptor type I; p80; Interleukin-1 receptor type 1, membrane form; Interleukin-1 receptor type 1, soluble form

Protein Construction

A DNA sequence encoding the mouse IL1R1 (P13504) extracellular domain (Met 1-Lys 338) was expressed, with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind mouse IL1B in a functional ELISA.
2. Immobilized mouse IL1A at 10 µg/mL (100 µl/well) can bind mouse IL1R1, The EC_{50} of mouse IL1R1 is 0.13 µg/mL.

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

Leu 20

Molecular Mass

The secreted recombinant mouse IL1R1 comprises 330 amino acids and has a calculated molecular mass of 38.7 kDa. As a result of glycosylation, the apparent molecular mass of the recombinant protein is approximately 55-60 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

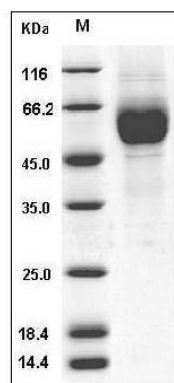
Storage

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



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