

Rat IL-1R2/CD121b (His Tag) recombinant protein



Catalog Number: 502947

General Information

Gene Name Synonym

CD121 antigen-like family member B; IL-1 type II receptor; Interleukin-1 receptor beta; Interleukin-1 receptor type II; Interleukin-1 receptor type 2, membrane form; Interleukin-1 receptor type 2, soluble form

Protein Construction

A DNA sequence encoding the rat IL1R2 (P43303) extracellular domain (Met 1-Glu 355) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind biotinylated Rat IL1B-His (Cat:503638) in a functional ELISA.

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

Phe 14

Molecular Mass

The recombinant rat IL1R2 comprises 353 amino acids and predicts a molecular mass of 39.7 kDa. The apparent molecular mass of the rat IL1R2 is approximately 55-60 kDa in SDS-PAGE under reducing conditions due to glycosylation.

Formulation

Lyophilized from sterile PBS, pH 7.5

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

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

Usage Guide

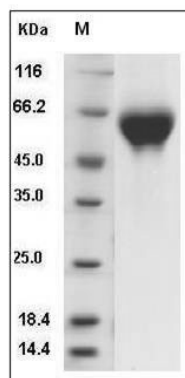
Storage

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



Rat IL1R2 / IL1RB / CD121b Protein (His Tag)
SDS-PAGE