Rat IL-17R/IL-17RA ?CD217? (His Tag) recombinant protein

Catalog Number: 503489

General Information

Protein Construction

A DNA sequence encoding the rat IL17RA (NP_001101353.2) (Met1-Pro320) was expressed, fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized rat IL17RA-His at 10 μg/ml (100 μl/well) can bind biotinylated human IL17A (Cat:503539), The EC_{50} of biotinylated human IL17A (Cat:503539) is 5-11.8 ng/ml.
2.Measured by its binding ability in a functional ELISA. Immobilized mouse IL17a (Cat:503385) at 10 μg/ml (100 μl/well) can bind rat IL17RA-His, The EC_{50} of rat IL17RA-His is 0.44-1.02 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℃

Predicted N terminal

Ser 32

Molecular Mass

The recombinant rat IL17RA comprises 300 amino acids and predicts a molecular mass of 34.1 kDa. The apparent molecular mass of the recombinant protein is approximately 52-58 kDa in SDS-PAGE under reducing conditions due to glycosylation.

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

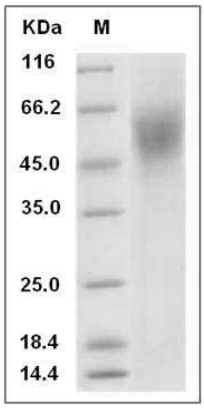
Storage

Store it under sterile conditions at -20℃ to -80℃. 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 IL17RA / IL17R Protein (His Tag) SDS-PAGE