

General Information

Protein Construction

A DNA sequence encoding the rat IL4R (Q63257-1) (Met1-Arg232) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Rat

Expression Host

Human Cells

QC Testing

Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse IL4-His (Cat:502101) at 10 µg/mL (100 µl/well) can bind rat IL4R-Fc (Cat:502616), The EC₅₀ of rat IL4R-Fc (Cat:502616) is 0.12-0.29 µg/mL.

Purity

> 90 % 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

Ile 26

Molecular Mass

The recombinant rat IL4R/Fc is a disulfide-linked homodimer. The reduced monomer comprises 448 amino acids and has a predicted molecular mass of 50.9 kDa. The apparent molecular mass of the protein is approximately 66 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

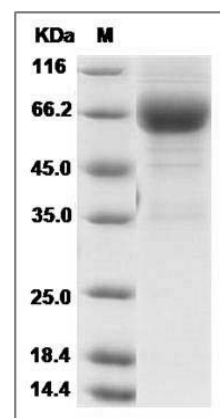
Storage

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



Rat IL4R / Il4ra Protein (Fc Tag) SDS-PAGE