# Rat IL13RA2 / CD213A2 (His Tag) recombinant protein

Catalog Number: 503247



## General Information

#### **Protein Construction**

A DNA sequence encoding the rat IL13RA2 (Q8VHK6) (Met1-Lys336) 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 inhibit IL13 dependent proliferation of TF-1 human erythroleukemic cells. The  $ED_{50}$  for this effect is typically 0.005-0.03  $\mu g/mL$ .

## **Purity**

> 85 % as determined by SDS-PAGE

#### Endotoxin

< 1.0 EU per  $\mu g$  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 24

## **Molecular Mass**

The recombinant rat IL13RA2 comprises 324 amino acids and predicts a molecular mass of 37.9 kDa. The apparent molecular mass of the recombinant protein is approximately 44 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**

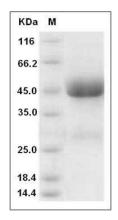
## **Storage**

Store it under sterile conditions at -20°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 IL13RA2 / IL13R Protein (His Tag) SDS-PAGE