# Human CD123/IL3RA (His & Fc Tag) recombinant protein

Catalog Number: 500516

# **General Information**

#### **Protein Construction**

A DNA sequence encoding the human IL3RA (NP\_002174.1) extracellular domain (Met 1-Arg 305) was fused with the C-terminal polyhistidinetagged Fc region of human IgG1 at the Cterminus.

#### Organism

Human

#### **Expression Host**

Human Cells

# **QC Testing**

#### Activity

Measured by its binding ability in a functional ELISA. Immobilized human IL3 at 20  $\mu$ g/ml (100  $\mu$ l/well) can bind human IL3RA with a linear ranger of 0.064-1.6  $\mu$ g/ml.

## Purity

> 75 % 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  $^{\circ}\mathrm{C}$ 

## **Predicted N terminal**

Thr 19

#### **Molecular Mass**

The recombinant human IL3RA/Fc is a disulfidelinked homodimer. The reduced monomer comprises 535 amino acids and has a predicted molecular mass of 61 kDa. As a result of glycosylation, the apparent molecular mass of rh IL3RA/Fc monomer is approximately 80-90 kDa in SDS-PAGE under reducing conditions.

#### Formulation

Lyophilized from sterile PBS, pH 7.41.5 % 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**

KDa	M
116	- Annual I
66.2	
45.0	
35.0	-
25.0	-
18.4	-
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Human IL3RA / CD123 Protein (His & Fc Tag)

