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 μ g/ml (100 μ l/well) can bind human IL3RA with a linear ranger of 0.064-1.6 μ g/ml.

Purity

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

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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