

Human CD127/IL-7RA (His & Fc Tag) recombinant protein



Catalog Number: 503420

General Information

Gene Name Synonym

CDw127

Protein Construction

A DNA sequence encoding the human IL7R α (NP_002176.2) extracellular domain (Met 1-Gly 236) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated mouse TSLP-his (cat:502535) in functional ELISA.
2. Measured by its binding ability in a functional ELISA. Immobilized human IL7 (Cat:504763) at 10 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$) can bind human IL7Ra-Fch, The EC_{50} of human IL7Ra-Fch is 15.2-35.6 ng/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°C

Predicted N terminal

Glu 21

Molecular Mass

The recombinant human IL7R α /Fc is a disulfide-linked homodimer. The reduced monomer consists of 464 amino acids and has a predicted molecular mass of 53 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rh IL7R α /Fc monomer is approximately 65-75 kDa 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

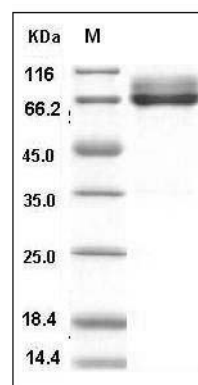
Storage

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



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SDS-PAGE