

Recombinant Human CXC-chemokine receptor 1/CXCR1 Protein

Catalog No.: RP01933 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	3577	P25024

Tags

C-hFc

Synonyms

CXCR1; CMKAR1; IL8RA; C-X-C chemokine receptor type 1; CXC-R1; CXCR-1; CDw128a; High affinity interleukin-8 receptor A; IL-8R A; IL-8 receptor type 1; CD181

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

<0.01EU/ug of the protein by LAL method


Formulation

Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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Background

Human CXC-chemokine receptor 1/CXCR1 Receptor to interleukin-8, which is a powerful neutrophils chemotactic factor. Binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activates a phosphatidylinositol-calcium second messenger system.

Basic Information

Description

Recombinant Recombinant Human CXC-chemokine receptor 1/CXCR1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Lys39) of Human CXC-chemokine receptor 1/CXCR1 (Accession #NP_000625.1) fused with hFc tag at the C-terminus.

Bio-Activity

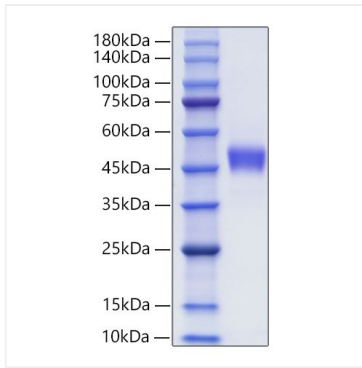
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human CXC-chemokine receptor 1/CXCR1 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-50 kDa.