

Recombinant Human CCR6 protein (rFc Tag)

Catalog Number: Eg2351

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
C-rFc

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human CCR6 protein Ser181-Lys211 (Accession# P51684) with a rabbit IgG Fc tag at the C-terminus

GeneID:

1235

Accession:

P51684

Predicted Molecular Mass:

30.0 kDa

SDS-PAGE:

30-40 kDa, reducing (R) condition

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

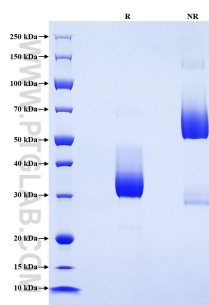
CCR6, also known CD196, is a C-C chemokine receptor that belongs to family A of G protein-coupled receptor superfamily. It is expressed on most B cells, memory T cells, and some subsets of dendritic cells (PMID: 17057190). CCR6 is a receptor for the C-C type chemokine CCL20 (PMID: 9169459). The ligand-receptor pair CCL20-CCR6 is responsible for the chemoattraction of immature dendritic cells, effector/memory T-cells and B-cells and plays a role at skin and mucosal surfaces under homeostatic and inflammatory conditions, as well as in pathology, including cancer and rheumatoid arthritis (PMID: 12948524). CCR6 polymorphism has been associated with rheumatoid arthritis susceptibility and CCR6 is involved in IL-17-driven autoimmunity in human diseases (PMID: 20453841).

References

1. Williams IR. et al. (2006). Ann N Y Acad Sci. 1072:52-61.
2. Baba M. et al. (1997). J Biol Chem. 272(23):14893-14898.
3. Schutyser E. et al. (2003). Cytokine Growth Factor Rev. 14(5):409-426.
4. Kochi Y. et al. (2010). Nat Genet. 42(6):515-519.

Synonyms

Selected Validation Data



Purity of Recombinant Human CCR6 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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