

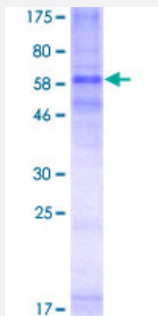
Full-Length

CCR3 (Human) Recombinant Protein (P01)

Catalog # H00001232-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CCR3 full-length ORF (NP_001828.1, 1 a.a. - 355 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTSLDVTVEFTGTTSYDDVGLLCEKADTRALMAQFVPPLYSLVFTVGLLGNVVVVMILIKYRRLRI
MTNYLLNLAISDLLFLVTLPFWIHYVRGHNWVFGHGMCKLLSGFYHTGLYSEIFFILLTIDRYLAMHA
VFALRARTVTFGVITSMTWGLAVLAALPEFIFYETEELFEETLCSALYPEDTVYSWRHFHTLRMTIF
CLVLP LLVMAICYTGIIKTLLRCPSKKKYKAIRLIFVIMAVFFIFWTPYNVAILLSSYQSILFGNDCERSK
HLDLVMLVTEVIAYSHCCMNPVYAFVGERFRKYL RHFFHRHLLMHLGRYPFLPSEKLERTSSVSP
STAEPELSIVF

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.4

Interspecies Antigen Sequence

Mouse (70); Rat (69)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CCR3

Entrez GeneID[1232](#)**GeneBank Accession#**[NM_001837.2](#)**Protein Accession#**[NP_001828.1](#)**Gene Name**

CCR3

Gene Alias

CC-CKR-3, CD193, CKR3, CMKBR3, MGC102841

Gene Description

chemokine (C-C motif) receptor 3

Omim ID[601268](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a receptor for C-C type chemokines. It belongs to family 1 of the G protein-coupled receptors. This receptor binds and responds to a variety of chemokines, including eotaxin (CCL11), eotaxin-3 (CCL26), MCP-3 (CCL7), MCP-4 (CCL13), and RANTES (CCL5). It is highly expressed in eosinophils and basophils, and is also detected in TH1 and TH2 cells, as well as in airway epithelial cells. This receptor may contribute to the accumulation and activation of eosinophils and other inflammatory cells in the allergic airway. It is also known to be an entry co-receptor for HIV-1. This gene and seven other chemokine receptor genes form a chemokine receptor gene cluster on the chromosomal region 3p21. Alternatively spliced transcript variants have been described. [provided by RefSeq]

Other Designations

CC chemokine receptor 3|OTTHUMP00000164718|b-chemokine receptor|eosinophil CC chemokine receptor 3|eosinophil eotaxin receptor

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)

Disease

- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Celiac Disease](#)
- [Chlamydia Infections](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Eosinophilia](#)
- [Fibrosis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)

- [Inflammation](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Migraine Disorders](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Pneumonia](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rhinitis](#)
- [Schizophrenia](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)
- [Trachoma](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)