

Proteoliposomes

Full-Length

CXCR1 (Human) Recombinant Protein

Catalog # H00003577-G01

Size 10 ug

Specification

Product Description

Human CXCR1 full-length ORF (NP_000625.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MSNITDPQMWFDDLNFTGMPPADEDYSPCMLETETLNKYVVIAYALVFLSLLGNSLVMLVILYS
RVGRSVTDVYLLNLALADLLFALTLPWAASKVNGWIFGTFLCKVVSLLKEVNFYSGILLACISVDR
YLAIVHATRTLTKQRHLVKFVCLGCWGLSMNLSLPFFLFRQAYHPNNSPVCYEVLGNDTAKWRM
VLRILPHTFGFIVPLFVMLFCYGFTRLRTLFKAHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLM
RTQVIQESCERRNNIGRALDATEILGFLHSCLNPIYAFIQNFRHGFLKILAMHGLVSKEFLARHRT
SYTSSSVNVSSNL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

39.8

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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

- Antibody Production

Gene Info — CXCR1

Entrez GeneID [3577](#)

GeneBank Accession# [NM_000634.2](#)

Protein Accession# [NP_000625.1](#)

Gene Name CXCR1

Gene Alias C-C, C-C-CKR-1, CD128, CD181, CDw128a, CKR-1, CMKAR1, IL8R1, IL8RA, IL8RBA

Gene Description chemokine (C-X-C motif) receptor 1

Omim ID [146929 609423](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq]

Other Designations receptor|alpha|interleukin-8 receptor type 1|interleukin-8 receptor type A

Publication Reference

- [The staphylococcal toxins \$\gamma\$ -haemolysin AB and CB differentially target phagocytes by employing specific chemokine receptors.](#)

Spaan AN, Vrieling M, Wallet P, Badiou C, Reyes-Robles T, Ohneck EA, Benito Y, de Haas CJ, Day CJ, Jennings MP, Lina G, Vandenesch F, van Kessel KP, Torres VJ, van Strijp JA, Henry T.

Nature communications 2014 Nov; 5:5438.

Application: Surface plasmon resonance (SPR), Recombinant protein

Pathway

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

- [Endocytosis](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Asthma](#)
- [Bacteriuria](#)
- [Biliary Tract Neoplasms](#)
- [Birth Weight](#)
- [Bronchiectasis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Colitis](#)
- [Connective Tissue Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)

- [Glioblastoma](#)
- [Glioma](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hepatitis B](#)
- [Hodgkin Disease](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Leishmaniasis](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoproliferative Disorders](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Musculoskeletal Diseases](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Pain](#)
- [Papillomavirus Infections](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)

- [Pulmonary Disease](#)
- [Pyelonephritis](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Skin Diseases](#)
- [Stomach Neoplasms](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Tract Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Vesico-Ureteral Reflux](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)