

Proteoliposomes

Full-Length

CXCR4 (Human) Recombinant Protein

Catalog # H00007852-G01

Size 10 ug

Specification

Product Description	Human CXCR4 full-length ORF (AAH20968.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MEGISYTS DNYTEEMGSGDYDSMKEPCFREENANFNKIFLPTYSIIFLTGMVGNGLVILVMGYQKKL RSMTDKYRLHLSVADLLFVITLPFWAVDAVANWYFGNFLCKAVHVITYTNLYSSVLILAFISLDRYLAI VHATNSQRPRKLLAEKVYVGVWIPALLLTIPDFIFANVSEADDRYICDRFYPNDLWVVVFQFQHIM VGLILPGMILSCYCIISKLSHSGHQKRKALKTTVILILAFFACWLPYYIGISIDSFILLEIKQGCEFENT VHKWISITEALAFFHCCLNPILYAFLGAKFKTSAQHALTSVSRGSSLKILSKGKRGGHSSVSTESSES SSFHSS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.7
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 — CXCR4

Entrez GeneID	7852
GeneBank Accession#	BC020968.2
Protein Accession#	AAH20968.1
Gene Name	CXCR4
Gene Alias	CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPY3R, WHIM
Gene Description	chemokine (C-X-C motif) receptor 4
Omim ID	162643 193670
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelodysplasia) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	C-X-C chemokine receptor type 4 CD184 antigen chemokine (C-X-C motif), receptor 4 (fusin) chemokine receptor 4 fusin leukocyte-derived seven-transmembrane-domain receptor lipopolysaccharide-associated protein 3 neuropeptide Y receptor Y3 seven transmembrane

Pathway

- [Axon guidance](#)
- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Leukocyte transendothelial migration](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Coronary Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Growth Hormone-Secreting Pituitary Adenoma](#)
- [Hepatitis B](#)
- [HIV Infections](#)
- [Hyperglycemia](#)
- [Liver Neoplasms](#)
- [Lymphatic Metastasis](#)
- [Lymphoma](#)
- [Mouth Neoplasms](#)
- [Multiple Sclerosis](#)
- [Neoplasm Invasiveness](#)
- [Pituitary Neoplasms](#)
- [Thyroid Neoplasms](#)

- [Tumor Virus Infections](#)