

Recombinant Human CXCR7 protein, GST-tagged

Cat. No. CXCR7-25H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CXCR7(1 a.a. - 362 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-362 a.a.
Description	This gene encodes a member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	67.9 kDa
AA Sequence	MDLHLFDYSEPGNFSDISWPCNSSDCIVVDTVMCPNMPNKSVELLYTLFSIYIFIFVIGM IANSVVVWVNIQAKTT GYDTHCYILNLAIADLWVVLTIPTVWVWVSLVQHNQWPMGELT CKVTHLIFSINLFGSIFFLTCMSVDRYLSITYFT NTPSSRKKMVRVVCILVWLLAFCV SLPDTYYLKTVTSASNNETYCRSFYPEHSIKEWLIGMELVSVVLGFAVPF SIIAVFYFL LARAISASSDQEKHSSRKIIFSYYVVVFLVCWLPYHVAVLLDIFSILHYIPFTCRLEHALF

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TALHVT QCLSLVHCCVNPVLYSFINRNYRYELMKAFIFKYS AKTGLTKLIDASRVSET
EYSALEQSTK

Applications

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

Notes

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

Storage

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

GENE INFORMATION

Gene Name

CXCR7 chemokine (C-X-C motif) receptor 7 [Homo sapiens]

Official Symbol

CXCR7

Synonyms

CXCR7; chemokine (C-X-C motif) receptor 7; chemokine orphan receptor 1 ,
CMKOR1; C-X-C chemokine receptor type 7; GPR159; RDC1; G protein-coupled
receptor; chemokine orphan receptor 1; G-protein coupled receptor 159; G-protein
coupled receptor RDC1 homolog; RDC-1; CMKOR1; CXC-R7; CXCR-7;

Gene ID

57007

mRNA Refseq

NM_020311

Protein Refseq

NP_064707

MIM

610376

UniProt ID

P25106

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Chromosome Location	2q37.3
Pathway	Chemokine receptors bind chemokines, organism-specific biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; G alpha (i) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem;
Function	C-X-C chemokine receptor activity; G-protein coupled receptor activity; receptor activity; signal transducer activity;

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