

Recombinant Full Length Human CXCR2 Protein

Cat. No. CXCR2-106HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CXCR2 with a proprietary tag at N-terminal, predicted MWt 65.67 kDa
Species	Human
Source	In Vitro Cell Free System
ProteinLength	360 amino acids
Description	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. This receptor also binds to chemokine (C-X-C motif) ligand 1 (CXCL1/MGSA), a protein with melanoma growth stimulating activity, and has been shown to be a major component required for serum-dependent melanoma cell growth. This receptor mediates neutrophil migration to sites of inflammation. The angiogenic effects of IL8 in intestinal microvascular endothelial cells are found to be mediated by this receptor. Knockout studies in mice suggested that this receptor controls the positioning of oligodendrocyte precursors in developing spinal cord by arresting their migration. This gene, IL8RA, 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. Alternatively spliced variants, encoding the same protein, have been identified.
Form	Liquid

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Molecular Mass	65.670kDa inclusive of tags
AA Sequence	MEDFNMESDSFEDFWKGEDLSNYSYSSTLPPFLD AAPCEPESLEINKYFVVIYALV FLLSLLGNSLVMLVILYSRVGRSVTDVYLLNLALADLLFALTLP IWAASKVNGWIFGTF LCKVVSLLKEVNFYSGILLACISVD RYLAIVHATRTL TQKRYLVKFICLSIWGLSLLLAL PVLLFRRTVYSSNVSPACYEDMGNNTANWRMLLRILPQSFGFIVPLLIMLFCYGF TLR TLFKAHMGQKHRAMRVIFAVVLIFLLCWL PYNLVLLADTL MRTQVIQETCERRNHIDR ALDATEILGILHSCLNPLIYAFIGQKFRHGL LKILAIHGLISKDSL PKDSRPSFVGSSSGH TSTTL
Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.
GENE INFORMATION	
Gene Name	CXCR2 chemokine (C-X-C motif) receptor 2 [Homo sapiens]
Official Symbol	CXCR2
Synonyms	CXCR2; chemokine (C-X-C motif) receptor 2; IL8RB, interleukin 8 receptor, beta; C-X-C chemokine receptor type 2; CD182; CMKAR2
Gene ID	3579
mRNA Refseq	NM_001168298
Protein Refseq	NP_001161770

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MIM	146928
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UniProt ID	P25025
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