# Recombinant Human CXCR1 Protein

**Cat. No.** CXCR1-2176H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human CXCR1 full-length ORF (NP_000625.1) recombinant protein without tag. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **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. 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, Jul 2008] |
| **Form** | Liquid |
| **Molecular Mass** | 39.8 kDa |
| **AA Sequence** | MSNITDPQMWDFDDLNFTGMPPADEDYSPCMLETETLNKYVVIIAYALVFLLSLLGN SLVMLVILYSRVGRSVTDVYLLNLALADLLFALTLPIWAASKVNGWIFGTFLCKVVSLL KEVNFYSGILLLACISVDRYLAIVHATRTLTQKRHLVKFVCLGCWGLSMNLSLPFFLF RQAYHPNNSSPVCYEVLGNDTAKWRMVLRILPHTFGFIVPLFVMLFCYGFTLRTLFK AHMGQKHRAMRVIFAVVLIFLLCWLPYNLVLLADTLMRTQVIQESCERRNNIGRALD ATEILGFLHSCLNPIIYAFIGQNFRHGFLKILAMHGLVSKEFLARHRVTSYTSSSVNVS |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| | SNL |
| **Applications** | Antibody Production<br>Functional Study<br>Compound Screening |
| **Usage** | Heating may cause protein aggregation. Please do not heat this product before electrophoresis. |
| **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. |
| **Storage Buffer** | 25 mM Tris-HCl of pH8.0 containing 2% glycerol. |

## GENE INFORMATION

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| **Gene Name** | CXCR1 chemokine (C-X-C motif) receptor 1 [ Homo sapiens ] |
| **Official Symbol** | CXCR1 |
| **Synonyms** | CXCR1; chemokine (C-X-C motif) receptor 1; CMKAR1, IL8RA, interleukin 8 receptor, alpha; C-X-C chemokine receptor type 1; CD181; CDw128a; CKR 1; CXC-R1; CXCR-1; IL-8R A; IL-8 receptor type 1; interleukin 8 receptor, alpha; interleukin-8 receptor type 1; interleukin-8 receptor type A; high affinity interleukin-8 receptor A; C-C; CD128; CKR-1; IL8R1; IL8RA; CMKAR1; IL8RBA; C-C-CKR-1; |
| **Gene ID** | 3577 |
| **mRNA Refseq** | NM_000634 |

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| **Protein Refseq** | NP_000625 |
| **MIM** | 146929 |
| **UniProt ID** | P25024 |

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