

Active Recombinant Human Chemokine (C-X-C Motif) Ligand 10, MlgG2a Fc-tagged

Cat. No. CXCL10-211H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | The extracellular domain of human CXCL10 (AAH10954.1)(Val22-Pro98) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell. |
| Species | Human |
| Source | CHO |
| ProteinLength | 22-98 a.a. |
| Description | This gene encodes a chemokine of the CXC subfamily and ligand for the receptor CXCR3. Binding of this protein to CXCR3 results in pleiotropic effects, including stimulation of monocytes, natural killer and T-cell migration, and modulation of adhesion molecule expression. |
| Form | Lyophilized from 0.2µm-filtered solution in PBS. |
| Bio-activity | Measured by its ability to chemoattract BaF3 mouse pro-B cells. |
| Molecular Mass | 35KDa (monomer) |
| AA Sequence | Val22-Pro98 |
| Endotoxin | <0.06 eu/µg="" as="" determined="" by="" lal="" test.=""> |

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| Purity | >98%, by SDS-PAGE under reducing conditions. |
| Stability | Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C. |
| Reconstitution | Reconstitute at 100µg/ml in sterile PBS. |
| Warning | Avoid freeze/thaw cycles. |

GENE INFORMATION

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| Gene Name | CXCL10 chemokine (C-X-C motif) ligand 10 [Homo sapiens] |
| Official Symbol | CXCL10 |
| Synonyms | CXCL10; chemokine (C-X-C motif) ligand 10; INP10, SCYB10, small inducible cytokine subfamily B (Cys X Cys), member 10; C-X-C motif chemokine 10; C7; crg 2; gIP 10; IFI10; IP 10; mob 1; gamma IP10; gamma-IP10; small-inducible cytokine B10; interferon-inducible cytokine IP-10; 10 kDa interferon gamma-induced protein; protein 10 from interferon (gamma)-induced cell line; small inducible cytokine subfamily B (Cys-X-Cys), member 10; INP10; IP-10; crg-2; mob-1; SCYB10; gIP-10; |
| Gene ID | 3627 |
| mRNA Refseq | NM_001565 |
| Protein Refseq | NP_001556 |
| MIM | 147310 |
| UniProt ID | P02778 |

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|----------------------------|--|
| Chromosome Location | 4q21 |
| Pathway | CXCR3-mediated signaling events, organism-specific biosystem; Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; |
| Function | cAMP-dependent protein kinase regulator activity; chemokine activity; receptor binding; |

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