

Recombinant Human CX3CL1 Protein

Cat. No. CX3CL1-482H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CX3CL1 protein
Species	Human
ProteinLength	397
Description	This gene belongs to the CX3C subgroup of chemokines, characterized by the number of amino acids located between the conserved cysteine residues. This is the only member of the CX3C subgroup, which contains three amino acids between cysteine residues, resulting in a Cys-X-X-X-Cys configuration. The encoded protein contains an extended mucin-like stalk with a chemokine domain on top, and exists in both a membrane-anchored form where it acts as a binding molecule, or, in soluble form, as a chemotactic cytokine. The mature form of this protein can be cleaved at the cell surface, yielding different soluble forms that can interact with the G-protein coupled receptor, C-X3-C motif chemokine receptor 1 gene product. This gene plays a role in a wide range of diseases, including cancer, vasculitis, neuropathies, atherosclerosis, inflammatory diseases, and in human immunodeficiency virus infections.
Form	Lyophilized
AA Sequence	MAPISLSWLLRLATFCHLTVLLAGQHVGVTCKNITCSKMTSKIPVALLIHYQQNQASC GKRAIILETRQHRFLCADPKEQWVKDAMQHLDRQAAALTRNGGTFEKQIGEVKPRP TPAAGGMDESVVLEPEATGESSSLEPTPSSQEAQRALGTSPELPTGVTGSSGTRLP

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PTPKAQDGGPVGTELFRVPPVSTAATWQSSAPHQPGPSLWAEAKTSEAPSTQDPS
 TQASTASSPAPEENAPSEGQRVWGGQSPRPENSLEREEMGPVPAHTDAFQDWG
 PGSMAHVSVVPVSSEGTPSREPVASGSWTPKAEEPIHATMDPQRLGVLITVPDAQ
 AATTRQAVGLLAFLGLLFCLGVAMFTYQSLQGCPRKMAGEMAEGRLRYIPRSCGSNS
 YVLVPV

Purity > 98%

Applications WB; ELISA; FACS; FC

Stability This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage At -20 centigrade.

Storage Buffer PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name CX3CL1 chemokine (C-X3-C motif) ligand 1 [Homo sapiens (human)]

Official Symbol CX3CL1

Synonyms CX3CL1; chemokine (C-X3-C motif) ligand 1; SCYD1, small inducible cytokine subfamily D (Cys X3 Cys), member 1 (fractalkine, neurotactin); fractalkine; ABCD 3;

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C3Xkine; CXC3; CXC3C; neurotactin; NTN; C-X3-C motif chemokine 1; small-inducible cytokine D1; CX3C membrane-anchored chemokine; small inducible cytokine subfamily D (Cys-X3-Cys), member-1; small inducible cytokine subfamily D (Cys-X3-Cys), member 1 (fractalkine, neurotactin); NTT; SCYD1; ABCD-3;

Gene ID 6376

mRNA Refseq NM_002996

Protein Refseq NP_002987

MIM 601880

UniProt ID P78423

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