HUMAN CX3CL1 PROTEIN

Cat.#: 12269

Product Name: Human CX3CL1 Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: NTN;NTT;CXC3;CXC3C;SCYD1;ABCD-3;C3Xkine;fractalkine;neurotactin

Target: CX3CL1

UNIPROT ID: P78423

Description: Recombinant human CX3CL1 Protein with C-terminal 6xHis tag

Background: 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. [provided by RefSeq, Sep 2017]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 34.4 kDa after removal of the signal peptide.

Molecular Characterization: CX3CL1(Gln25-Gln341) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

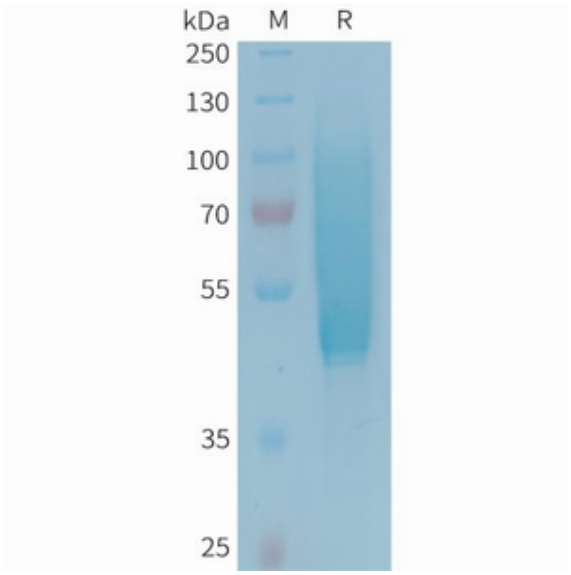

Figure 1. Human CX3CL1 Protein, His Tag on SDS-PAGE under reducing condition.