

Human XCL2 Protein (His Tag)

Catalog Number: 13502-H08B



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

SCM-1b, SCM1B, SCYC2

Protein Construction:

A DNA sequence encoding the human XCL2 (Q9UBD3) (Met 1-Gly 114) was fused with a polyhistidine tag at the C-terminus.

Source: Human

Expression Host: Baculovirus-Insect Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Endotoxin:

< 1.0 EU per µg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Val 22

Molecular Mass:

The secreted recombinant human XCL2 comprises 103 amino acids and has a predicted molecular mass of 11.7 kDa. The apparent molecular mass of rh XCL2 is approximately 18-20 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4, 10% gly

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

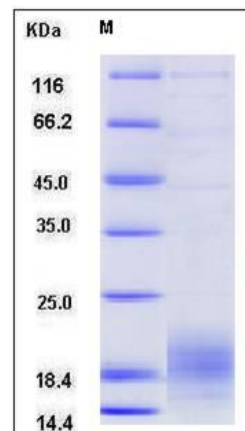
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

XCL2 is a small cytokine belonging to the XC chemokine family. Chemokines are a group of cytokines. Members of this group of so-called C-Chemokines belong to the SCY family of cytokines and are designated XCL (L for ligand) followed by a number. XCL2 is the new designation of SCM-1-beta. XCL2 is highly related to another chemokine called XCL1. XCL2 gene is located on chromosome 1 in humans. XCL2 is predominantly expressed in activated T cells, but can also be found at low levels in unstimulated cells. XCL2 induces chemotaxis of cells expressing the chemokine receptor XCR1. XCL2 gene has been proposed to participate in pathways (Chemokine signaling pathway, Cytokine-cytokine receptor interaction) and processes (blood circulation, signal transduction, chemotaxis, immune response). XCL2 are expected to have molecular function (chemokine activity) and to localize in various compartments (extracellular space, extracellular region). A putative protein interactor has been described (XCR1). The spliced mRNA putatively encodes a good protein, containing small cytokines (intecrine / chemokine), interleukin-8 like domain; the complete protein appears to be secreted.

References

1. Kennedy J. et al., 1995, J Immunol. 155 (1): 203-9.
2. Yoshida T. et al., 1998, J Biol Chem. 273 (26): 16551-4.
3. Yoshida T. et al., 1996, FEBS Lett. 395(1): 82-8.

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