



Lymphotactin (XCL1), His Tag, human recombinant (rHuXCL1-His)

Catalog No: 97223
Lot No: XXXXX
Source: *E. coli*
Synonyms: XCL1, Cytokine SCM-1, ATAC, Lymphotaxin, SCM-1-alpha, Small inducible cytokine C1, XC chemokine ligand 1, LTN, LPTN, SCM1, SCM-1, SCYC1, SCM-1a

Background

XCL1 is a small cytokine belonging to the XC chemokine family that is also known as lymphotactin. It is located in high levels in spleen, thymus, intestine and peripheral blood leukocytes, and at lower levels in lung, prostate gland and ovary. Cellular sources for XCL1 include activated thymic and peripheral blood CD8+ T cells. This chemokine attracts T cells. In humans, XCL1 is closely related to another chemokine called XCL2, whose gene is found at the same locus on chromosome 1. XCL1 induces its chemotactic function by binding to a chemokine receptor called XCR1.

Description

XCL1 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 114 amino acids (22-114) and having a molecular mass of 12.5 kDa. XCL1 is fused to a 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered colorless solution.

Formulation

Recombinant XCL1 contains 20 mM Tris buffer pH 8, 200 mM NaCl, 2 mM DTT and 30% glycerol.

Stability

XCL1, although stable at 10°C for 3 weeks, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino Acid Sequence

MGSSHHHHHH SSGLVPRGSH MVGSEVSDKR TCVSLTTQRL PVSRIKTYTI TEGSLRAVIF ITKRGLKVCA DPQATWVRDV
VRSMRKSNT RNNMIQTKPT GTQQSTNTAV TLTG

Usage

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