

For Research Use Only

# Recombinant Human XCL1 protein (rFc Tag)



Catalog Number: Eg2933

## Basic Information

**Species:**  
Human

**Purity:**  
>80 %, SDS-PAGE

**Tag:**  
C-rFc

## Technical Specifications

**Purity:**

>80 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/μg protein, LAL method

**Source:**

HEK293-derived Human XCL1 protein Val22-Gly114 (Accession# P47992) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

6375

**Accession:**

P47992

**Predicted Molecular Mass:**

36.3 KDa

**SDS-PAGE:**

**Formulation:**

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

The human chemokine XCL1 is a metamorphic protein that exists as a mixture of two equally populated native state conformations under near-physiologic conditions. XCL1 interconverts spontaneously and reversibly between its two structures, which are (1) the canonical α-β chemokine fold, and (2) a 4-stranded β-sheet that forms a dimer.

## References

1. Tuinstra RL, et al. Proc. Natl. Acad. Sci. U. S. A 2008, 105, 5057.
2. Kuloglu ES, et al. Biochemistry 2001, 40, 12486.
3. Kuloglu ES, et al. J. Biol. Chem 2002, 277, 17863.

## Synonyms

Lymphotactin, XCL1, ATAC, C motif chemokine 1, Cytokine SCM-1

For technical support and original validation data for this product please contact

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## Selected Validation Data