

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/ μ g 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 μ m 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

Selected Validation Data

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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