

XCL1 Protein, Human, Recombinant (hFc & His)

General Information

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| Synonyms: | Cytokine SCM-1;Lymphotaxin;LTN;XC chemokine ligand 1;Small-inducible cytokine C1;C motif chemokine 1;SCYC1 and XCL1;Lymphotactin;SCM-1- α ;SCM-1-alpha;ATAC |
| Protein Construction: | Val22-Gly114 |
| Species: | Human |
| Expression Host: | HEK293 Cells |
| Accession: | P47992 |
| Molecular Weight: | 54 KDa (reducing condition) |
| AA Sequence: | Val22-Gly114 |

QC Testing

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| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity: | Greater than 95% as determined by reducing SDS-PAGE. (QC verified) |
| Endotoxin: | < 0.1 ng/ μ g (1 EU/ μ g) as determined by LAL test. |
| Formulation: | Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. |

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Lymphotactin is a secreted protein which belongs to the intercrine gamma family. It is also a member of the XC chemokine family. XCL1 is found in spleen with highest level, lower in peripheral leukocytes and very low levels in lung, colon and small intestine. XCL1 plays a role in inflammatory and immunological responses, inducing leukocyte migration and activation. XCL1 induces chemotactic function by binding to a chemokine receptor called XCR1. XCL1 is closely related to another chemokine called XCL2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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