



Recombinant Protein Technical Manual

**Recombinant Human Lymphotactin/XCL1 Protein (Fc
& His Tag)**
RPES3845

Product Data:

Product SKU: RPES3845

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P47992

Protein Information:

Molecular Mass: 40.4 kDa

AP Molecular Mass: 54 kDa

Tag: C-Fc-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4 .

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Lymphotactin; ATAC; C motif chemokine 1; Cytokine SCM; Lymphotaxin; SCM-alpha; Small-inducible cytokine C1; XC chemokine ligand 1; LTN; SCYC1 and XCL1

Immunogen Information:

Sequence: Val22-Gly114

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.