



Recombinant Protein Technical Manual

Recombinant Human CXCL9 Protein (His Tag)

RPES1444

Product Data:

Product SKU: RPES1444

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q07325

Protein Information:

Molecular Mass: 12.8 kDa

AP Molecular Mass: 18 kDa

Tag: C-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 20mM PB, 150mM NaCl, pH 7.2.

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

Application:

Synonyms: C-X-C Motif Chemokine 9; Gamma-Interferon-Induced Monokine; Monokine Induced by Interferon-Gamma; HuMIG; MIG; Small-Inducible Cytokine B9; CXCL9; CMK; MIG; SCYB9

Immunogen Information:

Sequence: Thr 23-Thr125

Background:

Chemokine (C-X-C Motif) Ligand 9 (CXCL9) belongs to the intercrine alpha (chemokine CXC) family. It is secreted by interferon stimulated monocytes, macrophages and endothelial cells, which elicits chemotactic functions by interacting with the chemokine receptor CXCR3. CXCL9 acts as a Th1 (type 1 helper T) cell chemoattractant and plays a role in the growth, activation and movement of cells associated with immune and inflammatory responses, and in tumour growth inhibition. It is closely related to two other CXC chemokines called CXCL10 and CXCL11, whose genes are located near the gene for CXCL9 on human chromosome 4.