



# Recombinant Protein Technical Manual

## Recombinant Mouse CXCL9 Protein (His Tag)

RPES1869

### Product Data:

**Product SKU:** RPES1869

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** P18340

### Protein Information:

**Molecular Mass:** 13 kDa

**AP Molecular Mass:** 20-25 kDa

**Tag:** C-His

**Bio-activity:**

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

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

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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, pH7.4.

**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; MIG; MuMIG; Protein m119; Small-inducible cytokine B9; Cxcl9; Mig; Scyb9

## Immunogen Information:

**Sequence:** Thr22-Thr126

## 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.