



Recombinant Protein Technical Manual
Recombinant Mouse CCL8/MCP-2 Protein (His Tag)
RPES5187

Product Data:

Product SKU: RPES5187

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: Q9Z121

Protein Information:

Molecular Mass: 9.8 kDa

AP Molecular Mass: 12 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by 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 Hac-NaC,150mM NaCl,pH4.0.

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

Application:

Synonyms: C-C motif chemokine 8;Ccl8;Monocyte chemoattractant protein 2;Monocyte chemotactic protein 2;MCP-2;Small-inducible cytokine A8;Mcp2; Scya8

Immunogen Information:

Sequence: Glu20-Pro97

Background:

Chemokine ligand 8 (CCL8, MCP-2), is a small secreted cytokine which belongs to the intercrine beta (chemokine CC) family. CCL8 Chemotactic factor attracts monocytes. It can bind heparin. CCL8 functions to activate different immune cells, including mast cells, eosinophils and basophils which are involved in allergic responses, monocytes, and T cells and NK cells which are involved in the inflammatory response. Its ability achieves by binding to different cell surface receptors termed chemokine receptors including CCR1, CCR2B and CCR5. It has been reported that CCL8 is a potent inhibitor of HIV by virtue of its binding to CCR5 which is one of the major co-receptors for HIV.