Recombinant Rhesus Macaque gamma-Interferon Inducible Protein 10/CXCL10 (rRhIP-10/CXCL10)

ChemWhat Technical Data Sheet (TDS)

Catalog Number:	211-10
Source:	*Escherichia coli.*
Molecular Weight:	Approximately 8.7 kDa, a single non-glycosylated polypeptide chain containing 77 amino acids.
Quantity:	5μg/25μg/1000μg
AA Sequence:	IPLSRTVRCT CISISNQPVN PRSLEKLEII PPSQFCPHVE IIATMKKKGE KRCLNPESKA IKNLLKAVSK ERSKRSP
Purity:	> 97 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human peripheral blood T-lymphocytes is in a concentration range of 10-50 ng/ml.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.4.
Endotoxin:	Less than 1 EU/μg of rRhIP-10/CXCL10 as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 ℃ . Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	ChemWhat Limited in UK offers this branded product for research, development or further evaluation purposes. **NOT FOR HUMAN USE**.

Rhesus Macaque gamma-Interferon Inducible Protein 10/CXCL10

CXCL10 also known as IP-10 is belonging to the CXC chemokine family. It is encoded by the CXCL10 gene. CXCL10 was originally identified in monocytes, endothelial cells and fibroblasts as a responsor to IFN-γ. This chemokine elicits its effects by binding to the cell surface chemokine receptor CXCR3. CXCL10 has been shown to be a chemoattractant for activated T-lymphocytes and monocytes/macrophages. It also has other roles, such as promotion of T cell adhesion to endothelial cells, and inhibition of bone marrow colony formation and angiogenesis. The rhesus macaque IP-10 shares 96 %, 68 %, 74 % a.a. sequence identity with human, murine, rat IP-10, respectively.

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