

Rat IP 10 Recombinant Protein



RPPB1173

Product Information Protein Information

Product SKU:

RPPB1173

Accession:

P48973

Host:

Escherichia Coli.

Protein description:

IP-10 Rat Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 77 amino acids and having a molecular mass of 8.6kDa. The IP-10 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

C-X-C motif chemokine 10, Gamma-IP10, IP-10, Protein Mob-1, Small-inducible cytokine B10, Cxcl10, Inp10, Mob1, Scyb10.

Formulation:

Lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4.

Purity:

Greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized IP-10 in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized IP-10 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CXCL10 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

IPLARTVRCT CIDFHEQPLR PRAIGKLEII PASLSCPHVE IATMKKNNE KRCLNPESEA IKSLLKAVSQ RRSKRAP.

Biological Activity:

Determined by its ability to chemoattract hCXCR3/HEK293 cells using a concentration range of 10.0-50.0 ng/ml.