

Mouse I TAC Recombinant Protein



RPPB1177

Product Information Protein Information

Product SKU:

RPPB1177

Accession:

Q9JHH5

Host:

Escherichia Coli.

Protein description:

I TAC Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 79 amino acids and having a molecular mass of 9.1kDa.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

C-X-C motif chemokine 11, I-TAC, Small-inducible cytokine B11, Cxcl11, Scyb11.

Formulation:

I TAC protein was lyophilized from a 0.2 µm filtered concentrated solution in 10 mM Sodium Citrate, pH 4.0, with 600 mM NaCl.

Purity:

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

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

Stability:

Lyophilized I TAC although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution I TAC 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:

FLMFKQGRCL CIGPGMKAVK MAEIEKASVI YPSNGCDKVE VIVTMKAHKR QRCLDPRSKQ ARLIMQAIEK KNFLRRQNM.

Biological Activity:

Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using murine CXCR3 transfected 293 cells is in a concentration of 10-100 ng/ml corresponding to a specific activity of 10,000-100,000 IU/mg.