

Human I TAC Recombinant Protein



RPPB1175

Product Information Protein Information

Product SKU:

RPPB1175

Accession:

O14625

Host:

Escherichia Coli.

Protein description:

I-TAC Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 73 amino acids and having a molecular mass of 8300 Dalton. The I-TAC is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Small inducible cytokine B11, CXCL11, I-TAC, IP-9, H174, Beta-R1, chemokine (C-X-C motif) ligand 11, IP9, b-R1, SCYB11, SCYB9B, MGC102770.

Formulation:

Lyophilized from a 0.2m filtered concentrated (0.5mg/ml) solution in 20mM PB, pH 7.4, 100mM NaCl.

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 I-TAC in sterile 18MΩ-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:

PFMFKRGRCLCIGPGVKAVKVADIEKASIMYPSNNDKIEVIITLKENKGQRCLNPKSKQARLIKKVERKNF.

Biological Activity:

Determined by its ability to chemoattract human IL-2 activated T-Lymphocytes using a concentration range of 0.1-10.0 ng/ml.