

Product: I-TAC (CXCL11), Human, Recombinant
Catalog #: 11-ITAC-H
Amount: 5 µg

DESCRIPTION: Recombinant Human I-TAC (Interferon-inducible T-cell alpha chemoattractant) produced in E.Coli is a non-glycosylated, Polypeptide chain containing 73 amino acids and having a molecular mass of 8300 Dalton.
The rHuI-TAC is purified by proprietary chromatographic techniques. The sequence of the first five N-terminal amino acids was determined and was found to be Phe-Pro-Met-Phe-Lys.

SOURCE: *Escherichia coli* expression system

MOLECULAR WEIGHT: 8.3 kDa

PURITY: > 98.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rHuI-TAC.

DIMERS & AGGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis.

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm using the absorbency value of 1.06 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences (IntelliGenetics).
2. Analysis by RP-HPLC, using a standard solution of I-TAC as a Reference Standard

FORM: Purified.

CONCENTRATION: 0.1 mg/ml

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

BIOLOGICAL ACTIVITY: SDF-1beta is fully biologically active when compared to standard. The specific activity as determined by its ability to chemoattract IL-2 activated T-cells using a concentration of 0.1-10 ng/ml.

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