9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

I TAC Mouse

I-TAC (CXCL11) Mouse Recombinant
CHK0072

Product Overview

Name	I TAC Mouse
Description	
I-TAC (CXCL11) Mouse Recombinant	
Accession (Primary)	Q9JHH5
Synonyms	
C-X-C motif chemokine 11, I-TAC, Small-inducible cytokine B11, Cxcl11, Scyb11.	
Introduction	
Chemokine (C-X-C motif) ligand 11 (CXCL11) is a small cytokine belonging to the CXC chemokinen family. I-TAC is highly expressed in peripheral blood leukocytes, pancreas and liver, with moderate levels in thymus, spleen and lung and low expression levels were in small intestine, placenta and prostate. Gene expression of CXCL11 is strongly induced by IFN-g and IFN-b, and weakly induced by IFN-a. The I-TACchemokine elicits its effects on its target cells by interacting with the cell surface chemokine receptor CXCR3, with a higher affinity than do the other ligands for this receptor, CXCL9 and CXCL10. I-TAC is chemotactic for activated T cells.The CXCL11 gene is located on human chromosome 4 along with many other members of the CXC chemokine family.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
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.	
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.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	

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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.

Solubility

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

Precautions

I TAC Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9JHH5)