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

I TAC Human, His

I-TAC Human Recombinant (CXCL11), His Tag
CHK0071

Product Overview

Name	I TAC Human, His
Description	
I-TAC Human Recombinant (CXCL11), His Tag	
Accession (Primary)	O14625
Synonyms	
Small inducible cytokine B11, CXCL11, Interferon-inducible T-cell alpha chemoattractant, I-TAC, Interferon-gamma-inducible protein 9, IP-9, H174, Beta-R1, chemokine (C-X-C motif) ligand 11, IP9, b-R1, SCYB11, SCYB9B, MGC102770.	
Introduction	
Chemokine (C-X-C motif) ligand 11 (CXCL11) is a small cytokine belonging to the CXC chemokine family that is also called Interferon-inducible T-cell alpha chemoattractant (I-TAC) and Interferon-gamma-inducible protein 9 (IP-9). It 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. This chemokine 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. CXCL11 is chemotactic for activated T cells. Its gene is located on human chromosome 4 along with many other members of the CXC chemokine family.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The I-TAC solution (1mg/ml) contains 10mM sodium citrate(pH 3.5), 20% glycerol and 2mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH M FPMFKRGRC LCIGPGVKAV KVADIEKASI MYPSNNCDKI EVIITLKENK GQRCLNPKSK QARLIIKKVE RKNF.

Precautions

I TAC Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O14625)