

GFH128 Recombinant Human ITAC / CXCL11

Description

Interferon-inducible T cell α chemoattractant (ITAC), also known as CXCL11, is expressed at high levels in leukocytes, pancreas, and liver cells. ITAC gene expression is induced by interferons α (IFN- α), β (IFN- β), and γ (IFN- γ). ITAC is the dominant ligand known to bind the chemokine receptor CXCR3, thus acting as a strong agonist. ITAC functions as a chemoattractant for interleukin-2 (IL-2)-activated T cells.

Length	73 aa
Molecular Weight	8.3 kDa
Source	E. coli
Accession Number	O14625
Purity	\geq 95% determined by reducing and non-reducing SDS-PAGE

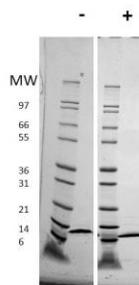
Specifications

Alternative Names	Interferon-inducible T cell α chemoattractant, CXCL11, B-R1, I-TAC, chemokine (C-X-C motif) ligand 11, C-X-C motif chemokine 11
Biological Activity	Human ITAC is fully biologically active when compared to standard. The activity is determined by the ability to chemoattract IL-2 activated T cells at a concentration of 0.1 - 10 ng/ml. There is no data currently available.
Endotoxin Level	\leq 1.00 EU/ μ g as measured by kinetic LAL
Formulation	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)
AA Sequence	FPMFKRGRCL CIGPGVKAVK VADIEKASIM YPSNNDKIE VIITLKENKG QRCLNPKSKQ ARLIKKVER KNF

Preparation and Storage

Reconstitution	Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile water at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
Stability and Storage	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

Data



Non-reducing (-) and reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue. 1 μ g of protein was loaded in each lane. Human ITAC has a predicted Mw of 8.3 kDa.