Datasheet for ABIN6699680

CXCL11 Protein

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Overview

Quantity:	100 µg
Target:	CXCL11
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human ITAC (CXCL11) Recombinant Protein
Purification:	ITAC (CXCL11) purity was determined to be greater than 98% as determined by HpLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Purity:	98,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The biological activity is determined by the ability to chemoattract IL-2 activated T cells at a concentration of 0.1-10 ng/mL.

Target Details

Target:	CXCL11
Alternative Name:	CXCL11 (CXCL11 Products)
Background:	Synonyms: B-R1, H174, Interferon gamma-inducible protein 9 (IP-9), Interferon-inducible T-cell alpha chemoattractant (I-TAC), Small-inducible cytokine B11

Target Details

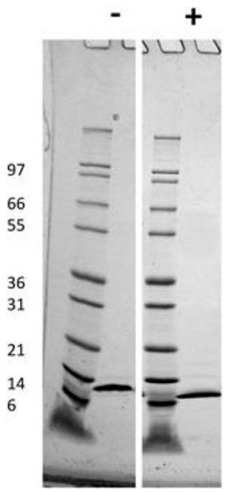
	Background: Interferon Inducible T cell Alpha Chemokine (I-TAC), or CXCL11, expressed at high levels in leukocytes, pancreas and liver exposed to IFNα, β, and γ. I-TAC is one of three chemokines known to bind the receptor CXCR3 (the two others being CXCL9 and CXCL10 (IP-10)) to act as a chemoattractant for IL-2 activated T cells. CXCL11 differs from the other CXCR3 ligands in that it has a higher receptor affinity, thus acts as a stronger agonist. Recombinant human I-TAC is a non-glycosylated protein, containing 73 amino acids, with a molecular weight of 8.3 kDa.
UniProt:	O14625

Application Details

Application Notes:	Other: User Optimized Application_Note: ITAC Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-ITAC in immunological assays.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 100 µL
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiry Date:	6 months



SDS-PAGE

Image 1. SDS-PAGE of Human ITAC (CXCL11) Recombinant Protein SDS-PAGE of Human ITAC (CXCL11) Recombinant Protein. Lane 1: Molecular weight marker. Lane 2: 1 µg Human ITAC in non-reducing conditions . Lane 3: Molecular weight marker. Lane 4: 1 µg Human ITAC in reducing conditions (+). Human ITAC has a predicted MW of 8.3 kDa.

