

CXCL11/I-TAC/B-R1, Mouse, Recombinant

Cat. No. : PCK325

General Information

Synonyms	Interferon Inducible T-Cell α Chemokine; I-TAC; B-R1
Species	Mouse
Expression host	E.coli
Sequence	FLMFKQGRCLCIGPGMKAVKMAEIEKASVIYPSNGCDKVEVIVTMKAHKRQRCLDPRSKQARLI MQAIEKKNFLRRQNM with polyhistidine tag at the N-terminus.
Accession	Q9JHH5
Tag	His-tag at the N-terminus
Mol mass	9.92 kDa
Expiration date	12 months
Bio activity	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR3. The ED50 for this effect is < 10 ng/mL.

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μ m filtered solution containing 1 $\times$ PBS, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μ g/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

CXCL11 has functional and structural relationship with CXCL9 and CXCL10. This CXC chemokine lacks a ELR (Glutamate-Leucine-Arginine) tripeptide motif.. Similar to CXCL9 and CXCL10, CXCL11 can specifically bind to the G protein-coupled receptor CXCR3 and involve in chemotaxis of immune cells and angiogenesis. Expression of both CXCR3 and CXCL11 by The Th1-associated cytokine IFN γ can express both CXCR3 and CXCL11 and create an amplification loop of cell-mediated immune response between Th1 cells.

SDS-PAGE



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