

**CXCL11/I-TAC/B-R1, Mouse, Recombinant****Cat. No. : GPCK325****产品信息**

物种	Mouse
表达宿主	E.coli
序列信息	FLMFKQGRCLCIGPGMKAVKMAEIEKASVIYPSNGCDKVEVIVTMKAHKRQRCLDPRSKQARLI MQAIEKKNFLRRQNM with polyhistidine tag at the N-terminus.
检索号	Q9JHH5
标签	His-tag at the N-terminus
分子量	9.92 kDa
有效期	12 months
生物活性	Measure by its ability to chemoattract BaF3 cells transfected with human CXCR3. The ED50 for this effect is < 10 ng/mL.

**产品特性**

内毒素 (EU/μg)	< 0.1
保存	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.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 7.4.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

**背景介绍**

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 $\gamma$  can express both CXCR3 and CXCL11 and create an amplification loop of cell-mediated immune response between Th1 cells.

