

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

货号 : PCK325

产品信息

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| 别名 | Interferon Inducible T-Cell α Chemokine, I-TAC, B-R1 |
| 物种 | Mouse |
| 表达宿主 | E.coli |
| 序列信息 | FLMFKQGRCLCIGPGMKAVKMAEIEKASVIYPSNGCDKVEVIVTMKAHKR QRCLDPRSKQARLIMQAIEKKNFLRRQNM with polyhistidine tag at the N-terminus. |
| 检索号 | Q9JHH5 |
| 分子量 | 9.92 kDa |
| 标签 | His-tag at the N-terminus |
| 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

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| 纯度 | >98% as determined by SDS-PAGE. Ni-NTA chromatography |
| 内毒素 | <0.1 EU per 1 μ g of the protein by the LAL method. |
| 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 μ m filtered solution containing 1X PBS, pH 7.4. |



复融

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

SDS-PAGE

