

IL-37/IL-1F7/IL-1H4, Human, Recombinant

货号 : PCK196

产品信息

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| 别名 | IL-1F7, IL-1 ζ (zeta), IL-1H4, FIL1, FIL1Z |
| 物种 | Human |
| 表达宿主 | E.coli |
| 序列信息 | MKNLNPKKFSIHDQDHKVLVLDSGNLIAVPDKNYIRPEIFFALASSLSSASAE KGSPILLGVSKGEFCLYCDKDKGQSHPSLQLKKEKLMKLA AQKESARRPFI FYRAQVGSWNMLESA AHPGWFICTSCNCNEPVGVTDKFENRKHIEFSFPV CKAEMSPSEVSD with polyhistidine tag at the C-terminus. |
| 检索号 | Q9NZH6.1 |
| 分子量 | 19.49 kDa |
| 标签 | His-tag at the C-terminus |
| 生物活性 | Measure by its ability to induce IL-8 secretion in human PBMCs. The ED50 for this effect is <0.9 $\mu\text{g/mL}$. |

产品特性

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| 纯度 | >95% as determined by SDS-PAGE. Ni-NTA chromatography. |
| 内毒素 | <0.1 EU per 1 μg 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 μm filtered solution containing 1X PBS, pH 8.0. |



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Decreasing synthesis of IL-37 in PBMCs will cause increasing production of pro-inflammatory cytokines such as IL-1 alpha, IL-1 beta, IL-6 and TNF- alpha. The IL-37 work as an innate inflammatory inhibitor is also proved by its high expression in synovial tissue from rheumatoid arthritis patients. Full length IL-37 locates mainly in the cytoplasm, and it can translocate to the nucleus after activation through cleavage by CASP1, then exerts its activity by directly interacting with SMAD3.

SDS-PAGE

