

**IL-37/IL-1F7/IL-1H4, Human, Recombinant****Cat. No. : GPCK196****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MKNLNPKKFSIHDQDHKVLVLD SGNLIAVPDKNYIRPEIFFALASSLSSASAEKGSPI LLGVSKG EFCLYCDKDKGQSHPSLQLKKEKLMKLAAQKESARRPFIFYRAQVGSWNMLESAHPGWFIC TSCNCNEPVGVTDKFENRKHIEFSFQPVCKAEMSPSEVSD with polyhistidine tag at the C-terminus.
检索号	Q9NZH6.1
标签	His-tag at the C-terminus
分子量	19.49 kDa
有效期	12 months
生物活性	Measure by its ability to induce IL-8 secretion in human PBMCs. The ED50 for this effect is < 0.9 µg/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 8.0.
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**

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.

