

**TNF- $\alpha$ /TNFA/TNFSF2, Human, Recombinant****Cat. No. : GPCK051****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MVRSSSRTPSDKPVAVHVNANPQAEGLQWLNRRANALLANGVELRDNQLVVPSEGLYLIYSQ VLFGQGQCPSTHVLLTHTISRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPIYLGGVFQ LEKGDRLSAEINRPDYLDFAESGQVYFGIHAL with polyhistidine tag at the C-terminus.
检索号	P01375.1
标签	His-tag at the C-terminus
分子量	18.3 kDa
有效期	12 months
生物活性	Measure by its ability to induce cytotoxicity in L929 cells in the presence of actinomycin D. The ED50 for this effect is < 0.2 pg/mL. The specific activity of recombinant human TNF alpha is approximately > 9 × 10 <sup>9</sup> IU/mg.

**产品特性**

内毒素 (EU/ $\mu$ g)	< 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 $\mu$ m 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 $\mu$ g/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

**背景介绍**

TNF- $\alpha$  is a kind of pleiotropic pro-inflammatory cytokine. It is secreted by various cells, such as adipocytes, activated monocytes, macrophages, B cells, T cells and fibroblasts. Proteolysis of the integral membrane precursor form of TNF- $\alpha$  from cells soluble can release homotrimeric TNF- $\alpha$ . TNF- $\alpha$  can bind with some TNF- $\alpha$  receptors induces apoptosis, besides, also trigger other responses depending on cell type, receptor expression, and signal transduction status. TNF- $\alpha$  participate in the inflammatory response.

