

TNF-α/TNFA/TNFSF2, Rat, Recombinant

货号: PCK103

产品信息

别名 Tumor Necrosis Factor; Cachectin; TNF-Alpha; Tumor Necrosis Factor Ligand

Superfamily Member 2; TNF-a; Tumor Necrosis Factor; Membrane Form; Tumor

Necrosis Factor; Soluble Form; Tnf; Tnfa; Tnfsf2

物种 Rat

表达宿主 E.coli

序列信息 Leu80-Leu235

检索号 P16599

分子量 17.4 kDa

产品特性

纯度 >95% as determined by reducing SDS-PAGE.

内毒素 <1.0 EU per µg as determined by LAL test.

保存 Lyophilized protein should be stored at -5~-20°C, stable for one year after receipt.

Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of

reconstituted samples are stable at -5~-20°C for 3 months.

运输 Ambient temperature or ice pack.

制剂 Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

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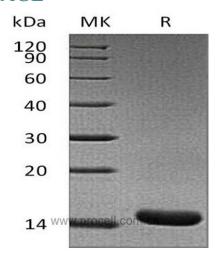
复融

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml.Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

背景介绍

Tumor necrosis factor alpha (TNF-alpha, TNFSF2) is the prototypic Ligand of the TNF superfamily. Rat TNF-alpha consisits of a 35 amino acid (aa) cytoplasmic domain, a 21 aa transmembrane segment, and a 179 aa extracellular domain (ECD). Within the ECD, rat TNF-alpha shares 94% aa sequence identity with mouse. TNF-alpha is produced by a wide variety of immune, epithelial, endothelial, and tumor cells. TNF exists as a homotrimer and interacts with SPPL2B. TNF is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. TNF is a key Cytokine in the development of several inflammatory disorders. It contributes to the development of type 2 diabetes throught its effects on insulin resistance and fatty acid metabolism.

SDS-PAGE



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