

TNF- α / TNFA/ TNFSF2, Human, Recombinant

货号 : PCK050

产品信息

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| 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 | Human |
| 表达宿主 | E.coli |
| 序列信息 | Val77-Leu233 |
| 检索号 | P01375 |
| 分子量 | 17.3 kDa |
| 生物活性 | Measured in a cytotoxicity assay using L-929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is less than 0.1 ng/ ml. |

产品特性

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| 纯度 | >95% as determined by reducing SDS-PAGE. |
| 内毒素 | < 1.0 EU per μ g as determined by LAL test. |
| 保存 | Lyophilized Protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted Protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| 运输 | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| 制剂 | Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.0. |
| 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 μ g/ml. Dissolve the lyophilized protein in distilled water Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |



背景介绍

TNF α is a homotrimer with a subunit molecular mass of 17 kD Cytokine that binds to TNFRSF1A/ TNFR1 and TNFRSF1B/ TNFR. It is mainly secreted by macrophages and can induce cell death of certain tumor cell lines. It plays a major role in growth regulation, differentiation, inflammation, viral replication, tumorigenesis, autoimmune diseases and in viral, bacterial, fungal, and parasitic infections. Besides inducing hemorrhagic necrosis of tumors, TNF was found to be involved in tumorigenesis, tumor metastasis, viral replication, septic shock, fever, inflammation, and autoimmune diseases including Crohn's disease, and rheumatoid arthritis as well as graft-versus-host disease.

SDS-PAGE

