

Recombinant Swine TNF alpha protein(His Tag)

Catalog Number: PKSS000010

Note: Centrifuge before opening to ensure complete recovery of vial contents.

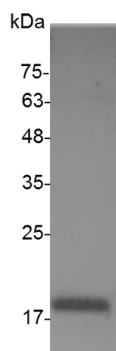
Description

| | |
|----------------------|---|
| Species | Porcine |
| Source | E.coli-derived Porcine TNF alpha protein Leu 77-Leu 232 , with an C-terminal His |
| Calculated MW | 18.1 kDa |
| Observed MW | 19 kDa |
| Accession | P23563 |
| Bio-activity | Measure by its ability to induce cytotoxicity in PK15 cells in the presence of the actinomycin D.The ED ₅₀ for this effect is <15 pg/mL. |

Properties

| | |
|-----------------------|---|
| Purity | > 98 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 0.1 EU per µg of the protein as determined by the LAL method. |
| Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Shipping | This product is provided as lyophilized powder which is shipped with ice packs. |
| Formulation | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual. |
| Reconstitution | Please refer to the printed manual for detailed information. |

Data



> 98 % as determined by reducing SDS-PAGE.

Background

Tumor necrosis factor alpha (TNFα) is the prototypic ligand of the TNF superfamily. TNFα forms a homotrimer and functions by activating two types of receptors TNF-R1 (TNF receptor type 1, p55R) and TNF-R2 (TNF receptor type 2, p75R). TNFα is a pleiotropic cytokine that is capable to promote inflammation, to induce apoptotic cell death, and to inhibit tumorigenesis and viral replication. TNFα is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells and certain other target cells.

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