

Recombinant Swine TNF alpha protein(His Tag)

Catalog Number:PKSS000010



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

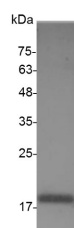
Description

Synonyms	TNFSF2; Cachectin; Differentiation-inducing factor (DIF); Necrosin; Cytotoxin; TNS?F1A
Species	Porcine
Expression Host	E.coli
Sequence	Leu 77-Leu 232
Accession	P23563
Calculated Molecular Weight	18.1 kDa
Observed molecular weight	19 kDa
Tag	C-His
Bioactivity	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 % Tween80 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 (TNF α) is the prototypic ligand of the TNF superfamily. TNF α 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). TNF α is a pleiotropic cytokine that is capable to promote inflammation, to induce apoptotic cell death, and to inhibit tumorigenesis and viral replication. TNF α 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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