

Recombinant Rabbit TNF-alpha/TNFSF2/TNFa Protein

Catalog Number: PKSQ050066

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

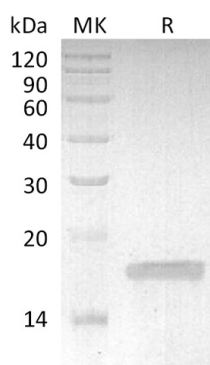
Description

Species	Rabbit
Source	E.coli-derived Rabbit TNF-alpha/TNFSF2/TNFa protein Val78-Leu235
Calculated MW	17.6 kDa
Observed MW	18 kDa
Accession	P04924
Bio-activity	Measured in a cytotoxicity assay using L- 929 mouse fibroblast cells in the presence of the metabolic inhibitor actinomycin D. The ED ₅₀ for this effect is 3. 5 pg/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 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 a 0.2 µm filtered solution of 20mM PB, 250mM NaCl, 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



> 95 % 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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