

RPCB1321

Product Information

Product SKU:	RPCB1321	Gene ID:	24835	Size:	20µg
Tag:	NO-tag	Reactivity:	Rat		

Additional Information

Expression Host:	-	Swissprot:	P16599
Purity:	> 95% by SDS-PAGE.		

Protein Information

Background: Tumor necrosis factor alpha (TNF-alpha), also known as TNF, TNFA or TNFSF2, 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 is potent pyrogen causing fever by direct action or by stimulation of interleukin-1 secretion and is implicated in the induction of cachexia, Under certain conditions it can stimulate cell proliferation and induce cell differentiation. Induces insulin resistance in adipocytes via inhibition of insulin-induced IRS1 tyrosine phosphorylation and insulin-induced glucose uptake. Induces GKAP42 protein degradation in adipocytes which is partially responsible for TNF-induced insulin resistance. Plays a role in angiogenesis by inducing VEGF production synergistically with IL1B and IL6. Promotes osteoclastogenesis and therefore mediates bone resorption (By similarity). By Similarity The TNF intracellular domain (ICD) form induces IL12 production in dendritic cells.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Rat TNF-alpha Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: < 1 EU/µg of the protein by LAL method

Formulation: Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Storage:

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.