

RPES8051

Product Information

Product SKU:	RPES8051	Expression Host:	E.coli	Size:	20 μ g
Tag:	N-Trx	Reactivity:	Human	Accession:	P01375

Additional Information

Calculated MW:	37.3 kDa	Observed MW:	33 kDa
Sequence:	Val77-233Leu		

Protein Information

Background: This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine.

Synonyms: APC1, APC1 protein, Cachectin, DIF, Differentiation inducing factor, Macrophage cytotoxic factor, Tnf, TNF superfamily, member 2, TNF, macrophage derived, TNF, monocyte derived, TNF-a, TNF-alpha, TNFA, TNFA, TNFSF2, Tumor necrosis factor alpha, Tumor necrosis factor, Tumor necrosis factor ligand superfamily member 2, Tumor Necrosis Factor, Membrane Form, Tumor necrosis factor, soluble form

Endotoxin: < 10 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 μ m filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

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.