

RPES8100

Product Information

Product SKU:	RPES8100	Expression Host:	E.coli	Size:	20 μ g
Tag:	N-Gst	Reactivity:	Human	Accession:	P01375

Additional Information

Calculated MW:	43 kDa	Observed MW:	45 kDa
Sequence:	Val77-Leu233		

Protein Information

Background: Tumor necrosis factor alpha (TNF-alpha), also known as TNF, TNFA or TNFSF2, is the prototypic cytokine of the TNF superfamily, and is a multifunctional molecule involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. Two receptors, TNF-R1 (TNF receptor type 1, CD120a, p55/60) and TNF-R2 (TNF receptor type 2, CD120b, p75/80), bind to TNF-alpha. TNF-alpha protein is produced mainly by macrophages, and large amounts of this cytokine are released in response to lipopolysaccharide, other bacterial products, and Interleukin-1 (IL-1). TNF-alpha is involved in fighting against the tumorigenesis, thus, is regarded as a molecular insight in cancer treatment.

Synonyms: Tumor Necrosis Factor Ligand Superfamily Member, TNFSF, TNF, DIF, TNF-alpha, TNFA, TNFSF2, TNLG1F, TNF alpha, Cachectin, Tumor Necrosis Factor, Tumor Necrosis Factor Ligand Superfamily Member 2, TNF-a, APC1, APC1 protein, DIF, TNF-alpha, TNFA, TNFSF2, Differentiation inducing factor, Macrophage cytotoxic factor, macrophage derived, member 2, Membrane Form, monocyte derived, soluble form, sTNFA, TNF superfamily, Tumor necrosis factor alpha

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.

Contact Details | Dublin, Ireland

Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com

Copyright © 2024 Assay Genie Ltd, All Rights Reserved. All information / detail is correct at time of going to print.

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.