

Recombinant Rat Tumor Necrosis Factor-alpha/TNFSF2

Catalog No: #AP60244

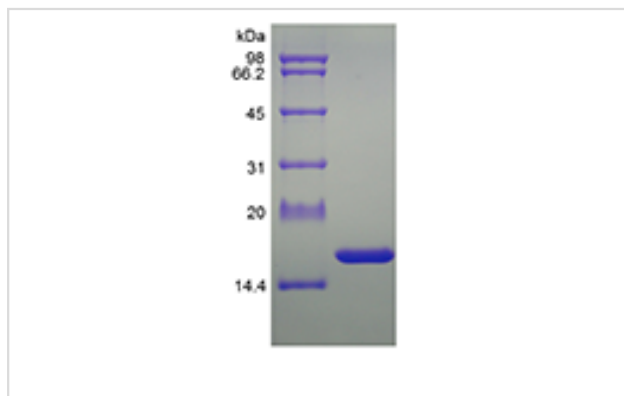
Package Size: #AP60244-1 5ug #AP60244-2 100ug #AP60244-3 500ug

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Description

Product Name	Recombinant Rat Tumor Necrosis Factor-alpha/TNFSF2
Host Species	Escherichia coli.
Purification	> 98 % by SDS-PAGE and HPLC analyses.
Other Names	Tumor Necrosis Factor, TNFSF2, Cachectin, Differentiation-inducing Factor , DIF, Necrosin, Cytotoxin
Calculated MW	Approximately 17.2 kDa, a single non-glycosylated polypeptide chain containing 156 amino acids.
Target Sequence	LRSSSQNSSD KPVAVHVVANH QAEEQLEWLS QRANALLANG MDLKDNLV V PADGLYLIYS QVLFKGGQCP DYVLLTHTVS RFAISYQEKV SLLSAIKSPC PKDTPEGAEL KPWYEPMYLG GVFQLEKGD LSAEVNLPKY LDITESGQVY FGVIAL
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.2, 150 mM NaCl.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> -□ A minimum of 12 months from date of receipt, when stored at &le;-20 °C as supplied. -□ 1 month, 2 to 8 °C under sterile conditions after reconstitution. -□ 3 months, -20 to -70 °C under sterile conditions after reconstitution.

Images



Background

Tumor necrosis factor alpha (TNF- α), also called cachectin, is the best-known member of the TNF-family, which can cause cell death. This protein is produced by neutrophils, activated lymphocytes, macrophages, NK cells, LAK cells, astrocytes endothelial cells, smooth muscle cells and some transformed cells. TNF- α occurs as a secreted, soluble form and as a membrane-anchored form, both of which are biologically active. The naturally-occurring form of TNF- α is glycosylated, but non-glycosylated recombinant TNF- α has comparable biological activity. Two types of receptors for TNF- α have been described and virtually all cell types studied show the presence of one or both of these receptor types.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.