Recombinant Human Tumor Necrosis Factor-alpha/TNFSF2, His

Catalog No: #AP60028

Package Size: #AP60028-1 10ug #AP60028-2 100ug #AP60028-3 500ug

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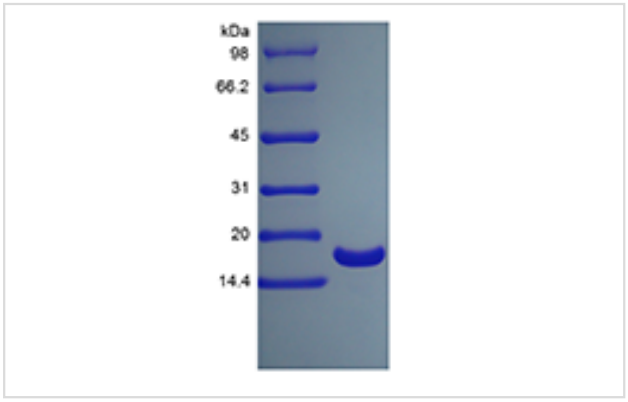
Description

Product Name	Recombinant Human Tumor Necrosis Factor-alpha/TNFSF2, His
Host Species	Escherichia coli.
Purification	> 97 % by SDS-PAGE and HPLC analyses.
Other Names	Tumor Necrosis Factor, TNFSF2, Cachectin, Differentiation-inducing factor , DIF, Necrosin, Cytotoxin
Calculated MW	Approximately 18.3 kDa, a single, non-glycosylated polypeptide chain containing 164 amino acids with Met and 6 Γ His at N-terminus.
Target Sequence	MHHHHHHVRS SSRTPSDKPV AHVVANPQAE GQLQWLNRRA NALLANGVEL RDNQLVVPSE GLYLIYSQVL FKGQGCPSTH VLLTHTISRI AVSYQTKVNL LSAIKSPCQR ETPEGAEAKP WYEPIYLGGV FQLEKGDRLS AEINRPDYLD FAESGQVYFG IIAL
Formulation	Lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH 7.0.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.- 12 months from date of receipt, -20 to -70 °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-know 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. The biologically active native form of TNF-α is reportedly a trimer. Human and murine TNF-α show approximately 79 % homology at the amino acid level and cross-reactivity between the two species. 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.