

Product Datasheet

RecombinantTNF- α ,Bovine (orb1494769)

Description	Tumor Necrosis Factor-Alpha (TNF- α) plays a major role in regulating growth, differentiation, inflammation, viral replication, tumorigenesis, and autoimmune diseases. TNF alpha-1a is a potent lymphoid factor that exerts cytotoxic effects on a wide range of tumor cells. In addition to inducing hemorrhagic necrosis of tumors, studies indicate TNF is involved in tumor igenesis, tumor metastasis, viral replication, septic shock, fever, inflammation, Crohn's disease, rheumatoid arthritis and graft-versus-host disease.Recombinant Bovine Tumor Necrosis Factor-alpha (rbTNF- α) produced in E.coli cells is a single non-glycosylated polypeptide chain containing 80 amino acids. A fully biologically active molecule, rbTNF- α has a molecular mass of 17.6 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.
Endotoxins	< 0.2 EU/ μ g, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant Bovine TNF- α remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Bovine TNF- α should be stable up to 1 week at 4°C or up to 3 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH2O or PBS at 100 μ g/ml.
Protein Sequence	MLRSSSQASS NKPVAHVVD INSPGQLRWW DSYANALMAN GVKLEDNQLV VPADGLYLIY SQVLFGRQGC PSTPLFLTHT ISRIAVSYQT KVNILSAIKS PCHRETPWEA EAKPWYEPIY QGGVFQLEKG DRLSAEINLP DYLDYAESGQ VYFGIIAL
Purity	> 95% as analyzed by SDS-PAGE & HPLC
Source	Escherichia coli.
MW	17.6 kDa, observed by reducing SDS-PAGE
Expiration Date	6 months from date of receipt.

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