

Tumor Necrosis Factor Receptor Mouse Recombinant

Item Number	rAP-0780
Synonyms	Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor 1, TNF-R1, Tumor necrosis factor receptor type I, TNF-RI, TNFR-I, p55, p60, CD120a, Tnfrsf1a, Tnfr-1, Tnfr1, FPF, TNF-R, TNFAR, TNFRI, p55-R, TNFR60, Tnfr-2, TNF-R-I, TNF
Description	TNFR Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 191 amino acids and having a molecular mass of 21.1kDa. The TNFR is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P25118
Amino Acid Sequence	IHPSGVTGLV PSLGDREKRD SLCPQKGKVVH SKNNSICCTK CHKGTYLVSD CPSPGRDTCV RECEKGTFTA SQNYLRQCLS CKTCRKEMSQ VEISPCQADK DTVCGCKENQ FQRYLSETHF QCVDCSPCFN GTVTIPCKET QNTVCNCHAG FFLRESECV CSHCKKNEEC MKLCLPPPLA NVTNPQDSGT A.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized TNFR although stable at room temperature for 3 weeks, should be stored desiccated below -18C. Upon reconstitution TNFR should be stored at 4C between 2-7 days and for future use below -18C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	TNFR protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4. Greater than 97.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TNFR in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by its ability to inhibit the TNF-α mediated cytotoxicity in the L-929 cells is less than 1.0 µg/ml, corresponding to a specific activity of > 1000 IU/mg in the presence of 0.1 ng/mL of rMuTNF-α.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**