

RPPB1010

Product Information Protein Information

Product SKU:

RPPB1010

Accession:

P25118

Host:

Escherichia Coli.

Protein 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.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

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-R55, TNFRp55, TNF-alphaR1, TNFalpha-R1.

Formulation:

TNFR protein was lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 97.0% as determined by SDS-PAGE.

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.

Stability:

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.

Amino Acid Sequence:

IHPSGVTGLV PSLGDREKRD SLCPQGKYVH SKNNSICCTK CHKGTYLVS D CPSPGRD TVC RECEKGTFTA SQNYLRQCLS CKTCRKEMSQ VEISPCQADK DTVCGCKENQ FQRYLSETHF QCVDCSPCFN GTVTIPCKET QNTVCNCHAG FFLRESECV P CSHCKKNEEC MKLCLPPPLA NVTNPQDSGT A.

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-a.