

RPPB1015

Product Information Protein Information

Product SKU:

RPPB1015

Accession:

P20333

Host:

Chinese Hamster
Ovarian Cells (CHO).

Protein description:

Recombinant Human Tumor Necrosis Factor Receptor 2 Fusion Protein produced in CHO is a dimeric, glycosylated, polypeptide chain consisting of the extracellular ligand-binding portion of the human 75 kilo Dalton (p75) tumor necrosis factor receptor 2 (TNFR2) linked to the Fc portion of human IgG1. The Fc component of TNFR2 contains the CH2 domain, the CH3 domain and hinge region, but not the CH1 domain of IgG1. It consists of 934 amino acids and has an apparent molecular weight of approximately 150 kilo Daltons. The TNFR2 is purified by standard chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Tumor necrosis factor receptor superfamily member 1B, Tumor necrosis factor receptor 2, TNF-R2, Tumor necrosis factor receptor type II, p75, p80 TNF-alpha receptor, CD120b antigen, Etanercept, TBPII, TNFBR, TNFR80, TNF-R75, p75TNFR, TNF-R-II.

Formulation:

Each mg contains 1.6mg mannitol, 0.4 mg sucrose and 48 µg tromethamine.

Purity:

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (c) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized TNFR2 in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Tumor Necrosis Factor Receptor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNFR2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Biological Activity:

Potency is determined by its ability to neutralize TNF-alpha mediated growth inhibition of A375 cells, corresponding to a Specific Activity of 17,000,000 IU/mg.