

Recombinant Human TNF Receptor Type II

CATALOG #:	4448-20 4448-1000	20 µg 1 mg
LOT #:		
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.	
SOURCE:	Chinese Hamster Ovarian Cells (CHO)	
PURITY:	>98% by SDS-PAGE and HPLC analyses Endotoxin level is <0.1 ng per µg (1EU/µg).	
MOL. WEIGHT:	150 kDa	
FORM:	Lyophilized from a sterile solution containing 1.6 mg mannitol, 0.4 mg sucrose and 48 µg tromethamine per 1 mg protein.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers or stored at 4°C for 1 week or -20°C for future use.	
STORAGE CONDITIONS:	The lyophilized protein is best stored desiccated below 0°C. Reconstituted sTNF Receptor II should be stored at working aliquots at -20°C.	
BACKGROUND DESCRIPTION:	Tumor Necrosis Factor Receptor Type II is an inhibitor of TNF and can block TNF bioactivity. Recombinant human TNF-RII produced in CHO is a dimeric, glycosylated, polypeptide chain consisting of the extracellular ligand-binding portion of the human 75 kilodalton (p75) tumor necrosis factor receptor (TNFR) linked to the Fc portion of human IgG1. The Fc component of TNFR II 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 kilodaltons.	
BIOLOGICAL ACTIVITY:	Potency is determined by its ability to neutralize TNF-alpha mediated growth inhibition of A375 cells, corresponding to a Specific Activity of 1.7×10^7 IU/mg.	

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies