

## 32-20492: Recombinant Human sTNF Receptor Type II(Discontinued)

**Reactivity :** Human, Mouse, Rat

**Alternative Name :** soluble Tumor Necrosis Factor Type II, TNFRSF1B, TNFR75, p75, CD120b, TNFR80, p80, TNFR2

### Description

**Source:** **E.coli** TNFR II is a member of the TNFR family of transmembrane proteins, and is expressed in immune cells and certain endothelial cells. It is a high affinity receptor for TNF-Alpha, but manifests a lower affinity to TNF-Beta. Signaling through this receptor regulates various biological processes, including cell proliferation, differentiation, apoptosis, lipid metabolism, coagulation, and neurotransmission. Soluble TNFR II is capable of inhibiting TNF-Alpha-induced activities by acting as a decoy receptor. The human TNFR II gene encodes for a 461 amino acid type I transmembrane protein, which contains a 22 amino acid signal sequence, a 235 amino acid extracellular domain, a 30 amino acid transmembrane domain, and a 174 amino acid cytoplasmic domain. Recombinant Human sTNF Receptor Type II is an 18.9 kDa protein (174 amino acid residues) comprising the cysteine-rich, ligand binding portion of the extracellular domain of the TNFR II protein.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MAPEPGSTCR LREYYDQTAQ MCCSKCSPGQ HAKVFCTKTS DTVCDSCEDS TYTQLWNWVP  
ECLSCGSRCS SDQVETQACT REQNRICR PGWYCALSKQ EGCRLCAPLR KCRPGFGVAR  
PGTETSDVVC KPCAPGTFSN TTSSTDICRP HQICNVVAIP GNASMDAVCT STSP

### Application Note

Determined by its inhibitory effect of the TNF-Alpha mediated cytotoxicity in murine L-929 cells. The  $ED_{50}$  for this effect in the presence of 0.25 ng/ml of Recombinant Human TNF-Alpha, is 0.125 µg/ml.