

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** TNFRII 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 TNFRII is capable of inhibiting TNF-Alpha-induced activities by acting as a decoy receptor. The human TNFRII 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 TNFRII 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 REQNRICTCR 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.