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32-20400: Animal-Free Recombinant Human sTNF Receptor Type I(Discontinued)

Alternative Name : soluble Tumor Necrosis Factor Type I, TNFRSF1A, TNFAR, p60, p55, CD120a, TNFR1

Description

Source:E.coliTNFRI belongs to the TNFR superfamily of transmembrane proteins, and is expressed in most cell types. Binding of either TNF-Alpha or TNF-Beta to TNFRI initiates a signal transduction pathway that results in the activation of the transduction factor NF-kB, whose target genes are involved in the regulation of inflammatory responses, and, in certain cells induce apoptosis. Soluble TNF Receptor I (sTNFRI) is capable of inhibiting TNF-Alpha and TNF-Beta activities by acting as a decoy receptor that serves as a sink for the TNF ligands. The human TNFRI gene encodes for a 455 amino acid type I transmembrane protein, which contains a 21 amino acid signal sequence, a 190 amino acid extracellular domain, a 23 amino acid transmembrane domain, and a 221 amino acid cytoplasmic domain. Recombinant Human sTNF Receptor Type I is an 18.3 kDa protein (162 amino acid residues) comprising the cysteine-rich, ligand-binding portion of the extracellular domain of the TNFRI 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 : MDSVCPQGKY IHPQNNSICC TKCHKGTYLY NDCPGPGQDT DCRECESGSF TASENHLRHC LSCSKCRKEM GQVEISSCTV DRDTVCGCRK NQYRHYWSEN LFQCFNCSLC LNGTVHLSCQ EKQNTVCTCH AGFFLRENEC VSCSNCKKSL ECTKLCLPQI EN

Application Note

Determined by its inhibitory effect of the TNF-Alpha mediated cytotoxicity in murine L-929 cells. The ÃÂ ED_{50}ÃÂ for this effect in the presence of 0.25 ng/ml of Recombinant Human TNF-Alpha , is 0.05 ÃÂµg/ml.