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Recombinant Human soluble Fas receptor

Description: Fas and Fas Ligand (FasL) belong to the TNF superfamily and are type I and type II transmembrane proteins, respectively. Binding of FasL to Fas triggers apoptosis in Fas-bearing cells. The mechanism of apoptosis involves recruitment of pro-caspase 8 through an adaptor molecule called FADD followed by processing of the pro-enzyme to active forms. These active caspases then cleave various cellular substrates leading to the eventual cell death. sFasR is capable of inhibiting FasL-induced apoptosis by acting as a decoy receptor that serves as a sink for FasL. The full length Fas (receptor) is a 319 amino acid type I transmembrane protein, which contains a 157 amino acid extracellular domain, a 17 amino acid transmembrane domain, and 145 amino acid cytoplasmic domain. Recombinant human soluble Fas (sFas Receptor) is a 157 amino acid polypeptide (17.6 kDa) corresponding to the TNFR homologous cysteine rich extracellular domain Fas.

Source:	E. coli
Molecular Weight:	17.6 kDa
Purity:	> 95% by SDS-PAGE and HPLC analyses
Endotoxin level:	< 0.1 ng per µg of sFas receptor
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: The ED50 was determined by its ability to inhibit the cytotoxicity of Jurkat cells is between 10-15 µg/ml in the presence of 2ng/ml of hFasL.

Reconstitution: Reconstitute in water to a concentration of 0.1-1.0 mg/ml. This solution can be diluted into other aqueous buffers and stored at 4°C for one week or at -20°C for future use.

Stability: The lyophilized protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted sFas receptor is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. **Avoid repeated freeze-thaw cycles.**

Usage: Human sFas receptor is offered for research use. Not for drug use. Not for human use.

Catalogue number: S01-030

Size: 20 µg

****please note: always centrifuge product before opening Vial.****