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32-1155: FAS Recombinant Protein

Alternative Name :	Tumor necrosis factor receptor superfamily member 6,Apo-1 antigen,Apoptosis-mediating surface antigen FAS,FASLG receptor,CD95,FAS,APT1,FAS1,APO-1,FASTM,ALPS1A,TNFRSF6.

Description

Source : Escherichia Coli. sFas Receptor Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 157 amino acids and having a molecular mass of 17.6kDa.The FAS is purified by proprietary chromatographic techniques. Fas and Fas Ligand (FasL) are members of the TNF superfamily and are type I and type II transmembrane proteins, respectively. Binding of FasL to Fas initiates apoptosis in Fas-bearing cells. The apoptosis mechanism involves the recruitment of pro-caspase 8 through an adaptor molecule named FADD followed by processing of the pro-enzyme to active forms. These active caspases subsequently cleave a variety of cellular substrates leading to the eventual cell death. sFasR is able to inhibit FasL-induced apoptosis by acting as a decoy receptor whicht serves as a sink for FasL. The full length Fas Receptor is a 319 a.a type I transmembrane protein, which contains a 157 a.a extracellular domain, a 17 a.a transmembrane domain, and 145 a.a cytoplasmic domain. The mature human Fas ECD shares 55%, 58%, a.a sequence identity with the mouse, rat, Fas, respectively.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	FAS protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.
Storage condition :	Lyophilized FAS although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution FAS should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Amino Acid :	MRLSSKSVNA QVTDINSKGL ELRKTVTTVE TQNLEGLHHD GQFCHKPCPP GERKARDCTV NGDEPDCVPC QEGKEYTDKA HFSSKCRRCR LCDEGHGLEV EINCTRTQNT KCRCKPNFFC NSTVCEHCDP CTKCEHGIIK ECTLTSNTKC KEEGSRS.

Application Note

It is recommended to reconstitute the lyophilized FAS in sterile 18M-cm H2O not less than 100ÃÂµg/ml, which can then be further diluted to other aqueous solutions. The ED50 was determined by its ability to inhibit the cytotoxicity of Jurkat cells is between 10-15 ÃÂµg/ml in the presence of 2ng/ml of hFasL.