

**DATASHEET**

Version 20181206

**sFASR/TNFRSF6, Human****Cat. No.:** Z02935-20**Size:** 20.0 ug**Synonyms:** soluble Fas receptor (sFasR), TNFRSF6, CD95, Apo I, Fas Antigen**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.

**Amino Acid Sequence:**

00001 RLSSKSVNAQ VTDINSKGL E L R K T V T T V E T Q N L E G L H H D G  
00041 Q F C H K P C P P G E R K A R D C T V N G D E P D C V P C Q E G K E Y T D K A H  
00081 F S S K C R R C R L C D E G H G L E V E I N C T R T Q N T K C R C K P N F F C N  
00121 S T V C E H C D P C T K C E H G I I K E C T L T S N T K C K E E G S R S N

**Source:** *E. coli***Species:** Human**Biological Activity:** Fully biologically active when compared to standard. The ED<sub>50</sub> as determined by its ability to inhibit the cytotoxicity of Jurkat cells is between 10-15 µg/ml in the presence of 2 ng/ml of rHuFas Ligand.**Molecular Weight:** Approximately 17.6 kDa, a single non-glycosylated polypeptide chain containing 157 amino acids.**Formulation:** Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.**Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.**Reconstitution:** We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.**Purity:** > 95 % by SDS-PAGE and HPLC analyses.**Endotoxin Level:** Less than 1 EU/µg of rHuFasR/TNFRSF6 as determined by LAL method.**Storage:** This lyophilized preparation is stable at 2-8 °C, but should be kept at -20 °C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8 °C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20 °C to -70 °C. Avoid repeated freeze/thaw cycles.