

Datasheet for ABIN935361 **FAS Protein**



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Overview

Quantity:	20 µg
Target:	FAS
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence:	MRLSSKSVNA QVTDINSKGL ELRKTVTTVE TQNLEGLHHD GQFCHKPCPP GERKARDCTV NGDEPDCVPC QEGKEYTDKA HFSSKCRRRCR LCDEGHGLEV EINCTRTQNT KCRCKPNFFC NSTVCEHCDP CTKCEHGIK ECTLTSNTKC KEEGSR
Characteristics:	Purified recombinant Human Fas Receptor protein Expression System: E.coli Bioactivity: 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.
Purity:	> 98 % pure
Endotoxin Level:	< 0.1 ng per µg (1 EU/µg).

Target Details

Target:	FAS
Alternative Name:	Fas Receptor (FAS Products)

Target Details

Background: 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.

Alternative Names: sFasR protein, soluble Fas receptor protein, Apo I protein, CD95 protein, Fas Antigen protein, TNFRSF6 protein

Molecular Weight: 17.6 kDa

Pathways: [p53 Signaling](#), [Apoptosis](#), [Production of Molecular Mediator of Immune Response](#), [Positive Regulation of Endopeptidase Activity](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in water to a concentration of 0.1-1.0 mg/mL.

Buffer: Supplied lyophilized with no additives.

Preservative: Without preservative

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C