Recombinant Human Fas (TNF Receptor Superfamily, Member 6)

Cat. No. FAS-1615H **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	Mammalian Cells
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.
Molecular Weight	The predicted molecular weight of Recombinant Human sFasR is 45 kDa.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Biological Activity	The biological activity of Human Soluble Fas Receptor is determined by its ability to inhibit the cytotoxicity of Jurkat cells. The expected ED50 for this effect is 10-15 mg/ml in the presence of 2 ng/ml of human FasL.

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Storage	This lyophilized protein is stable for six to twelve months when stored desiccated at -20℃ to -70℃. After aseptic reconstitution, this protein may be stored at 2℃ to 8℃ for one month or at -20℃ to -70℃ in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	FAS Fas (TNF receptor superfamily, member 6) [Homo sapiens]
Synonyms	FAS; Fas (TNF receptor superfamily, member 6); APT1; CD95; FAS1; APO-1; FASTM; ALPS1A; TNFRSF6; tumor necrosis factor receptor superfamily, member 6; Fas AMA; CD95 antigen; apoptosis antigen 1; APO-1 cell surface antigen
Gene ID	355
mRNA Refseq	NM_000043
Protein Refseq	NP_000034
MIM	134637
UniProt ID	P25445
Chromosome Location	10q24.1
Pathway	Allograft rejection; Alzheimer"s disease; Apoptosis; Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; Graft-versus-host disease; MAPK signaling pathway; Natural killer cell mediated cytotoxicity; Type I diabetes mellitus; Apoptosis

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Function	identical protein binding; kinase binding; transmembrane receptor activity

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