

Recombinant Human Fas (TNF receptor superfamily, member 6)

Cat. No. FAS-3814H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the extracellular domain (Met 1-Glu 173) of human Fas antigen (NP_000034.1) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	Human
ProteinLength	1-173 a.a.
Description	FAS is a member of the tumor necrosis factor (TNF)/nerve growth factor (NGF) receptor superfamily. FAS is highly expressed on the surface of a number of cell types including epithelial cells, hepatocytes, activated mature lymphocytes and other tumor cells. This receptor contains a death domain and has been shown to play a central role in the physiological regulation of programmed cell death (PCD, apoptosis) upon ligation of Fas ligand (Fas-L).
Form	Lyophilized from sterile PBS, pH 7.4, Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
Purity	> 95 % as determined by SDS-PAGE
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Predicted N terminal	Gln 26
Molecular Mass	The recombinant human FAS chimera is a disulfide-linked homodimeric protein generated after removal of the signal peptide. The reduced monomer consists of 386 amino acids and has a predicted molecular mass of 43.4 kDa. In SDS-PAGE under reducing conditions, the monomer migrates as an approximately 55-60 kDa protein due to glycosylation.
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
GENE INFORMATION	
Gene Name	FAS Fas (TNF receptor superfamily, member 6) [Homo sapiens]
Official Symbol	FAS
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; FAS 827dupA; CD95 antigen; FASLG receptor; OTTHUMP00000020045; OTTHUMP00000020046; OTTHUMP00000020051; OTTHUMP00000217569; apoptosis antigen 1; APO-1 cell surface antigen; apoptosis-mediating surface antigen FAS; tumor necrosis factor receptor superfamily, member 6
Gene ID	355
mRNA Refseq	NM_000043
Protein Refseq	NP_000034

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MIM	134637
UniProt ID	P25445
Chromosome Location	10q24
Pathway	Adipogenesis; African trypanosomiasis; Alzheimer"s disease; Apoptosis; Autoimmune thyroid disease; Death Receptor Signalling; Direct p53 effectors; FasL/CD95L signaling; Influenza A; MAPK signaling pathway; Measles; Natural killer cell mediated cytotoxicity; Pathways in cancer; Type I diabetes mellitus; p53 signaling pathway
Function	binding; kinase binding; protein binding; receptor activity; signal transducer activity; transmembrane signaling receptor activity; tumor necrosis factor receptor activity
PDB rendering based on 1ddf	