

Recombinant Human Fas (TNF receptor superfamily, member 6)

Cat. No. FAS-5265H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinanthuman FAS was expressed in E.coli.
Species	Human
Source	HEK293
Description	FAS, also known asFas/APO-1, is a death-domain (DD) containing type I membrane glycoprotein andmember of the TNF receptor superfamily, expressed by activated T and B cells,neutrophils, monocytes and thymocytes, which binds to its ligand CD95L(FasL/CD178) to mediate apoptosis. The soluble form of FAS (sCD95), generatedby alternative splicing of FAS mRNA, has the ability to inhibit target cellapoptosis by neutralizing CD95L. Elevated levels of sFAS have been detectedin patients with systemic lupus erythematosus (SLE), and have been associatedwith a poor prognosis in renal cell cancer and melanoma patients.
Form	Purifiedrecombinant protein-lyophilised.
Application	FunctionalAssays
Preparation	Human FASextracellular domain (aa1-154) fused to human Fc-IgG1 produced in humanembryo kidney cells.
Buffer Solution	Phosphate buffered saline.

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Molecular Weight	60 kDa underreducing conditions.
Purity	>95% by SDS PAGE and HPLC analysis
Concentration	1.0mg/ml
Storage	Store at -20 °C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Pathways	Activation of Pro-Caspase 8; Adipogenesis; African trypanosomiasis; Allograft rejection; Alzheimer's disease; Apoptosis; Apoptosis Modulation by HSP70; Autoimmune thyroid disease; Death Receptor Signalling; Direct p53 effectors; FasL/CD95 signaling; Graft-versus-host disease; Herpes simplex infection; Measles; p53 signaling pathway

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; FAS827dupA; CD95 antigen; FASLG receptor; OTTHUMP00000020045; OTTHUMP00000020046; OTTHUMP00000020051; OTTHUMP00000217569; apoptosis antigen1; Delta Fas/APO-1/CD95; APO-1 cell surface antigen; apoptosis-mediating surface antigen FAS; tumor necrosis factor receptor superfamily, member 6

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Gene ID	355
mRNA Refseq	NM_000043
Protein Refseq	NP_000034
MIM	134637
UniProt ID	P25445
Chromosome Location	10q24.1
Function	Binding; identicalprotein binding; kinase binding; protein binding; receptor activity; signaltransducer activity; transmembrane signaling receptor activity; tumornecrosis factor receptor activity

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