

## Recombinant Human FAS Protein, His-tagged

Cat. No. FAS-242H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant human FAS protein with His tag was expressed in HEK293.

**Species** Human

**Source** HEK293

**ProteinLength** 335

#### Description

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. Several alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated mRNA decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform.

**Form** Lyophilized

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<b>Molecular Mass</b>	18.2 kDa
<b>AA Sequence</b>	MLGIWTLPLVLTSSVARLSSKSVNAQVTDINSKGLELRKTVTTVETQNLEGLHHDGQ FCHKPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKRRRCRLCDEGH GLEVEINCTRTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIECTLTSNTKCKEE GSRSNLGLWLCLLLLPIPLIVWVKRKEVQKTCRKRHRKENQGSHEPTLNPETVAINLS DVDLSKYITTIAGVMTLSQVKG FVRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWH QLHGKKEAYDTLIKDLKKANLCTLAEKIQTIILKDITSDSENSNFRNEIQSLV
<b>Purity</b>	> 98%
<b>Applications</b>	WB; ELISA; FACS; FC
<b>Stability</b>	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
<b>Storage</b>	At -20 centigrade.
<b>Concentration</b>	1 mg/mL
<b>Storage Buffer</b>	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
<b>Reconstitution</b>	Reconstitute in sterile distilled H <sub>2</sub> O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** [FAS Fas \(TNF receptor superfamily, member 6\) \[ Homo sapiens \(human\) \]](#)

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<b>Official Symbol</b>	FAS
<b>Synonyms</b>	FAS; Fas (TNF receptor superfamily, member 6); APT1, FAS1, TNFRSF6, tumor necrosis factor receptor superfamily, member 6; tumor necrosis factor receptor superfamily member 6; APO 1; CD95; Fas AMA; FAS 827dupA; CD95 antigen; FASLG receptor; apoptosis antigen 1; Delta Fas/APO-1/CD95; APO-1 cell surface antigen; apoptosis-mediating surface antigen FAS; tumor necrosis factor receptor superfamily, member 6; APT1; FAS1; APO-1; FASTM; ALPS1A; TNFRSF6;
<b>Gene ID</b>	355
<b>mRNA Refseq</b>	NM_000043
<b>Protein Refseq</b>	NP_000034
<b>MIM</b>	134637
<b>UniProt ID</b>	P25445

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