

Recombinant Human FAS protein, His & GST-tagged

Cat. No. FAS-615H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FAS (P25445) aa. (Ser22~Ser172) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ser22~Ser172
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.

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Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.9kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Characteristic	The isoelectric point is 6.3.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4

GENE INFORMATION

Gene Name	FAS Fas cell surface death receptor [Homo sapiens (human)]
Official Symbol	FAS
Synonyms	FAS; Fas cell surface death receptor; APT1; CD95; FAS1; APO-1; FASTM; ALPS1A;

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TNFRSF6; tumor necrosis factor receptor superfamily member 6; APO-1 cell surface antigen; CD95 antigen; FASLG receptor; Fas (TNF receptor superfamily, member 6); Fas AMA; TNF receptor superfamily member 6; apoptosis antigen 1; apoptosis signaling receptor FAS; apoptosis-mediating surface antigen FAS; mutant tumor necrosis receptor superfamily member 6; tumor necrosis factor receptor superfamily, member 6

Gene ID [355](#)

mRNA Refseq [NM_000043.5](#)

Protein Refseq [NP_000034.1](#)

UniProt ID [P25445](#)

SDS-PAGE

