

## Recombinant Full Length Human FAS Protein, GST-tagged

**Cat. No.** FAS-4858HF    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>Product Overview</b> | Human FAS full-length ORF ( AAH12479, 1 a.a. - 335 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 335 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | <p>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. [provided by RefSeq, Mar 2011]</p> |

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|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Mass</b> | 62.37 kDa                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>    | MLGIWTLPLVLTSVARLSSKSVNAQVTDINSKGLELRKTVTTVETQNLEGLHHDGQ<br>FCHKPCPPGERKARDCTVNGDEPDCVPCQEGKEYTDKAHFSSKCRRCRLCDEGH<br>GLEVEINCTRTQNTKCRCKPNFFCNSTVCEHCDPCTKCEHGIIECTLTSTNKCKEE<br>GSRSNLGLWLCLLLLPIPLIVVWKRKEVQKTCRKHRENQGSHESTLNPETVAINLS<br>DVDLSKYITTIAGVMTLSQVKG FVRKNGVNEAKIDEIKNDNVQDTAEQKVQLLRNWH<br>QLHGKKEAYDTLIKDLKKANLCTLAEKIQTIILKDITSDSENSNFRNEIQSLV |
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                 |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                            |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                          |

## GENE INFORMATION

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| <b>Gene Name</b>       | FAS Fas cell surface death receptor [ Homo sapiens (human) ]                                                                                                                                                                                                                                                                                                                                   |
| <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 |

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superfamily, member 6; APT1; FAS1; APO-1; FASTM; ALPS1A; TNFRSF6;

**Gene ID** 355**mRNA Refseq** NM\_000043**Protein Refseq** NP\_000034**MIM** 134637**UniProt ID** P25445 Tel: 1-631-559-9269 1-516-512-3133 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA