# Recombinant Human Fas (TNF Receptor Ssuper Family, Member 6)

**Cat. No.** FAS-1411H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant, human soluble APO-1/Fas:Fc-IgG (aa.1-154) is produced in human embryo kidney cells. MW= 60 kDa. |
| **Species** | Human |
| **Source** | HEK293 |
| **ProteinLength** | 1-154 a.a. |
| **Description** | Apo-1 (Fas/CD95) is a 45 kD type I transmembrane protein belonging to the TNF receptor family. A subgroup of this receptor family called ”death receptors” contain 3-4 cysteine-rich repeats in the extracellular portion and a cystoplasmic motif called the ”death domain”, which is responsible for the transduction of the death signal. The death domain associates with FADD/MORT, which in turn connects to aspartate-specific proteases (Caspases) that are implicated as mediators of most types of apoptotic cell death (6-9). |
| **Presentation And Handling** | sAPO-1/Fas is provided as lyophilized powder. Prepare a concentrated stock solution of APO-1/Fas:Fc-IgG (1 mg/ml in PBS) by dissolving the entire preparation (50 µg) in 50 µl sterile $H_2O$. Further dilutions should be made with medium containing 5% fetal calf serum. |
| **Purity** | >95% pure as demonstrated by SDS-PAGE. |

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| **Biological Activity** | Recombinant, human soluble APO-1/Fas:Fc-IgG inhibits the activity of APO-1/Fas ligand of human and mouse. |

## GENE INFORMATION

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| **Gene Name** | FAS Fas (TNF receptor superfamily, member 6) [ Homo sapiens ] |
| **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; CD95 antigen; apoptosis antigen 1; APO-1 cell surface antigen |
| **Gene ID** | 355 |
| **mRNA Refseq** | NM_000043 |
| **Protein Refseq** | NP_000034 |
| **MIM** | 134637 |
| **UniProt ID** | P25445 |
| **Chromosome Location** | 10q24.1 |
| **Pathway** | Allograft rejection; Alzheimer"s disease; Apoptosis; Autoimmune thyroid disease; Cytokine-cytokine receptor interaction; Graft-versus-host disease; MAPK signaling pathway; Natural killer cell mediated cytotoxicity; Type I diabetes mellitus; Apoptosis |
| **Function** | identical protein binding; kinase binding; transmembrane receptor activity |

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