Recombinant Mouse Fas (TNF Receptor Superfamily Member 6)

Cat. No. Fas-1735M **Lot. No.** (See product label)

SPECIFICATION

Species	Mouse
Source	Sf21 Cells
Description	Fas forms the death inducing signalling complex (DISC) upon ligand binding. Membrane-anchored Fas ligand trimer on the surface of an adjacent cell causes trimerization of Fas receptor. This event is also mimicked by binding of an agonistic Fas antibody, though some evidence suggests that the apoptotic signal induced by the antibody is unreliable in the study of Fas signaling. To this end, several clever ways of trimerizing the antibody for in vitro research have been employed.
Molecular Weight	The predicted molecular weight of Recombinant Mouse Fas is Mr 46 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 55 kDa.
State Of Matter	Lyophilized.
Purity	>97% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

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GENE INFORMATION

Gene Name	Fas Fas (TNF receptor superfamily member 6) [Mus musculus]
Synonyms	Fas; Fas (TNF receptor superfamily member 6); lpr; APT1; CD95; APO-1; TNFR6; Tnfrsf6; AI196731; Fas antigen; lymphoproliferation; tumor necrosis factor receptor superfamily, member 6
Gene ID	14102
mRNA Refseq	NM_001146708
Protein Refseq	NP_001140180
UniProt ID	P25446
Chromosome Location	19 C1; 19 23.0 cM
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; Pathways in cancer; ype I diabetes mellitus; p53 signaling pathway
Function	protein binding; receptor activity; transmembrane receptor activity

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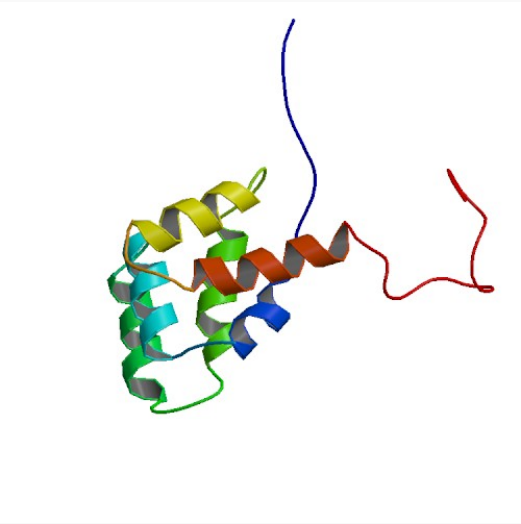
PDB rendering based on 1ddf.	

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