Recombinant Human FADD

Cat. No. FADD-28819TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human FADD fused to a proprietary tag at the N-terminal; 434 amino acids, 49 kDa.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is an adaptor molecule that interacts with various cell surface receptors and mediates cell apoptotic signals. Through its C-terminal death domain, this protein can be recruited by TNFRSF6/Fas-receptor, tumor necrosis factor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, and thus it participates in the death signaling initiated by these receptors. Interaction of this protein with the receptors unmasks the N-terminal effector domain of this protein, which allows it to recruit caspase-8, and thereby activate the cysteine protease cascade. Knockout studies in mice also suggest the importance of this protein in early T cell development.
Tissue specificity	Expressed in a wide variety of tissues, except for peripheral blood mononuclear leukocytes.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 20% Glycerol, PBS

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequence Similarities	Contains 1 death domain.Contains 1 DED (death effector) domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	FADD Fas (TNFRSF6)-associated via death domain [Homo sapiens]
Official Symbol	FADD
Synonyms	FADD; Fas (TNFRSF6)-associated via death domain; protein FADD; Fas associating death domain containing protein; Fas associating protein with death domain; GIG3; growth inhibiting gene 3 protein; mediator of receptor induced toxicity; MORT1;
Gene ID	8772
mRNA Refseq	NM_003824
Protein Refseq	NP_003815
MIM	602457
Uniprot ID	Q13158
Chromosome Location	11q13.3
Pathway	Activation of Pro-Caspase 8, organism-specific biosystem; Alzheimers disease,

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	organism-specific biosystem; Alzheimers disease, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem;
Function	death receptor binding; identical protein binding; protein binding; tumor necrosis factor receptor binding; tumor necrosis factor receptor superfamily binding;

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