

Recombinant Human FADD, His-tagged

Cat. No. FADD-12638H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FADD protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-208a.a.
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.
Source	E.coli
Species	Human
Tag	His

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Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.
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; growth-inhibiting gene 3 protein; mediator of receptor-induced toxicity; Fas-associating protein with death domain; Fas-associating death domain-containing protein; MGC8528;
Gene ID	8772
mRNA Refseq	NM_003824
Protein Refseq	NP_003815
MIM	602457
UniProt ID	Q13158
Chromosome Location	11q13.3

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Pathway	Activation of Pro-Caspase 8, organism-specific biosystem; Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved 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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