

## Product datasheet for **AR09290PU-L**

### FADD (1-208, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	FADD (1-208, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH</u> <u>GMASMTGGQQ</u> <u>MGRDLYDDDD</u> <u>KDRWGSMDPF</u> <u>LVLLHSVSSS</u> <u>LSSSELTELK</u> <u>FLCLGRVGKR</u> <u>KLERVQSGLD</u> <u>LFSMLLEQND</u> <u>LEPGHTELLR</u> <u>ELLASLRRHD</u> <u>LLRRVDDFEA</u> <u>GAAAGAAPGE</u> <u>EDLCAAFNVI</u> <u>CDNVGKDWRR</u> <u>LARQLKVSdT</u> <u>KIDSIEDRYP</u> <u>RNLTERVRES</u> <u>LRIWKNTEKE</u> <u>NATVAHLVGA</u> <u>LRSCQMNLVA</u> <u>DLVQEVQQR</u> <u>DLQNRSGAMS</u> <u>PMSWNSDAST</u> <u>SEAS</u>
Tag:	His-tag
Predicted MW:	27.4 kDa
Concentration:	lot specific
Purity:	>95% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant FADD protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_003815</u>
Locus ID:	8772
UniProt ID:	<u>Q13158</u>
Cytogenetics:	11q13.3
Synonyms:	GIG3; MORT1



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**Summary:**

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. [provided by RefSeq, Jul 2008]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Alzheimer's disease, Apoptosis, Pathways in cancer, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway

**Product images:**