

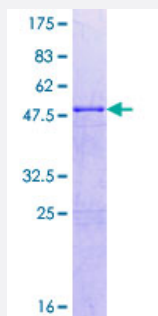
Full-Length

# FADD (Human) Recombinant Protein (P01)

Catalog # H00008772-P01

Size 25 ug, 10 ug

## Applications



## Specification

|                               |                                                                                                                                                                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description           | Human FADD full-length ORF ( NP_003815.1, 1 a.a. - 208 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                    |
| Sequence                      | MDPFLVLLHSVSSSLSSSELTELKFLCLGRVGGKRLKRLERVQSGLDLFSMLLEQNDLEPGHTELLRE<br>LLASLRRHDLLRRVDDFEAGAAAGAAPGEEDLCAAFNVICDNVGKDWRRRLARQLKVSDTKIDSIE<br>DRYPRNLTERVRESLRWKNTOKENATVAHLVGALRSCQMNLVADLVQEVQQARDLQNRSGAM<br>SPMSWNSDASTSEAS |
| Host                          | Wheat Germ (in vitro)                                                                                                                                                                                                           |
| Theoretical MW (kDa)          | 49.7                                                                                                                                                                                                                            |
| Interspecies Antigen Sequence | Mouse (68); Rat (68)                                                                                                                                                                                                            |
| Preparation Method            | <a href="#">in vitro wheat germ expression system</a>                                                                                                                                                                           |
| Purification                  | Glutathione Sepharose 4 Fast Flow                                                                                                                                                                                               |
| Quality Control Testing       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                                                                                                     |
| Storage Buffer                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                        |
| Storage Instruction           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                 |

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — FADD

Entrez GeneID [8772](#)

GeneBank Accession# [NM\\_003824.2](#)

Protein Accession# [NP\\_003815.1](#)

Gene Name FADD

Gene Alias GIG3, MGC8528, MORT1

Gene Description Fas (TNFRSF6)-associated via death domain

Omim ID [602457](#)

Gene Ontology [Hyperlink](#)

**Gene 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]

**Other Designations** Fas-associated via death domain|Fas-associating death domain-containing protein|Fas-associating protein with death domain|growth-inhibiting gene 3 protein|mediator of receptor-induced toxicity

## Pathway

- [Apoptosis](#)
- [Pathways in cancer](#)
- [Toll-like receptor signaling pathway](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Lupus Erythematosus](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)