Protein FADD (FADD) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Protein FADD (FADD), Recombinant Protein
Full Product Name	Recombinant Bovine Protein FADD (FADD)
Product Gene Name	FADD recombinant protein
Product Synonym Gene Name	FADD
Sequence	MDPFLVLLHS VSAGLSSSDL TQLKFLCQNH ISKRKLELAQ SGLDLFTVLL QQNELNAEHT ALLRELLCSL RRKDLLLRLD DFERGAAGGA APEDRDLRAA MEIICDNVGK DWRRLARHLG VSDVKIEAIE EKYPRNLAEQ VRELLRVWKN STRENAAVSC LVGALRGCQL NVVADLIEED QRARALQSGS ANPGSFTAWD SGSAAPGAS
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	23,002 Da
Sequence Positions	1-209, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q645M6
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for FADD recombinant protein	This protein 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.
Other Notes	Small volumes of FADD recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for FADD purchase	MBS1351071 is a recombinant protein targeting FADD. Also known as Recombinant Bovine Protein FADD (FADD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FADD. It may not necessarily be applicable to this product.

NCBI GI #	56119112

NCBI GeneID	493720
NCBI Accession #	NP_001007817.1
UniProt Primary Accession #	Q645M6
UniProt Related Accession #	Q645M6
GenBank Nucleotide #	NM_001007816.1
NCBI Official Full Name	FAS-associated death domain protein
NCBI Official Synonym Full Names	Fas associated via death domain
NCBI Official Symbol	FADD
UniProt Protein Name	FAS-associated death domain protein
UniProt Synonym Protein Names	FAS-associating death domain-containing protein; Protein FADD
Protein Family	Fas-associated death domain protein
UniProt Gene Name	FADD
NCBI Protein Information	FAS-associated death domain protein
UniProt Comments for FADD	Apoptotic adaptor molecule that recruits caspase-8 or caspase-10 to the activated Fas (CD95) or TNFR-1 receptors. The resulting aggregate called the death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation. Active caspase-8 initiates the subsequent cascade of caspases mediating apoptosis (). Involved in interferon-mediated antiviral immune response, playing a role in the positive regulation of interferon signaling ().
Research Articles on FADD	**1.** mapping and sequencing of bovine FADD cDNA, and characterization of its expression in endothelial cells
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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