Product Data Sheet

Product Name:	FADD Human
Cat. No.:	GP23461
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GIG3; MORT1; MGC8528; FADD; Fas (TNFRSF6)-associated via death domain; Protein FADD; FAS-associated death domain protein; FAS-associating death domain-containing protein; Mediator of receptor induced toxicity; Growth-inhibiting gene 3 protein.		
Amino Acid Sequence	MRGSHHHHHHGMASMTGGQQ MGRDLYDDDD KDRWGSMDPF LVLLHSVSSS LSSSELTELK FLCLGRVGKR KLERVQSGLD LFSMLLEQND LEPGHTELLR ELLASLRRHD LLRRVDDFEA GAAAGAAPGE EDLCAAFNVI CDNVGKDWRR LARQLKVSDT KIDSIEDRYP RNLTERVRES LRIWKNTEKE NATVAHLVGA LRSCQMNLVA DLVQEVQQAR DLQNRSGAMS PMSWNSDAST SEAS.		
Formulation	The FADD protein solution contains 20mM Tris-HCl, pH-8, and 10% glycerol.		

Introduction

FADD is an adaptor protein that cooperates with a variety of cell surface receptors and mediates cell apoptotic signals. Using its C-terminal death domain, FADD is recruited by TNFRSF6/Fas-receptor, tumor necrosis factor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, and consequently it take parts in the death signaling initiated by these receptors. FADD interaction with the receptors reviels the N-terminal effector domain of, which allows it to recruit caspase-8, and thus initiate the cysteine protease cascade. Knockout studies in mice furthermore propose the significance of FADD in premature T cell development. FADD plays a role in survival/proliferation and cell cycle development. FADD also takes part in cellular sublocalization, protein phosphorylation, and inhibitory molecules.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

FADD produced in E.Coli is a single, non-glycosylated polypeptide chain containing 244 amino acids (1-208 a.a.) and having a molecular mass of 27.4 kDa.FADD is fused to 36 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.