

Recombinant Escherichia coli FADD Protein (1-561 aa), His-tagged

Cat. No. FADD-2352E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) FADD Protein (1-561 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	E.coli
Source	E.coli
ProteinLength	1-561 aa
Description	Catalyzes the esterification, concomitant with transport, of exogenous long-chain fatty acids into metabolically active CoA thioesters for subsequent degradation or incorporation into phospholipids. Activity is the highest with fatty acid substrates of > 10 carbon atoms.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	66.3 kDa
AA Sequence	MKKVWLNRYPADVPTEINPDYQSLVDMFEQSVARYADQPAFVNMGEVMTFRKLE ERSRAFAAYLQQGLGLKKGDRVALMMPNLLQYPVALFGILRAGMIVNVNPLYTPRE LEHQLNDSGASAIVVSNFAHTLEKVVDKTAVQHVLTRMGDQLSTAKGTVVNFVVKY IKRLVPKYHLPDAISFRSALHNGYRMQYVKPELVPEDLAFLQYTGGTTGVAKGAMLT HRNMLANLEQVNATYGPLLHPGKELVVTALPLYHIFALTINCLLFIELGGQNLLITNPR

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DIPGLVKELAKYPFTAITGVNTLNFALLNNKEFQQQLDFSSLHLSAGGGMPVQQVVAE
 RWVKLTGQYLLEGYGLTECAPLVSVNPYDIDYHSGSIGLPVPSTEAKLVDDDDNEVP
 PGQPGELCVKGPQVMLGYWQRPDATDEIKNQWLHTGDIAVMDEEGFLRIVDRKKD
 MILVSGFNVYPNEIEDVVMQHPGVQEVAAGVPSGSSGEAVKIFVVKKDPSLTEESL
 VTFCRRQLTGYKVPKLVEFRDELPSNVGKILRREL RDEARGKVDNKA

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Gene Name *fadD* fatty acyl-CoA synthetase [*Escherichia coli* str. K-12 substr. MG1655]

Official Symbol *FADD*

Synonyms *fadD*; ECK1803; *oldD*;

Gene ID 946327

Protein Refseq NP_416319

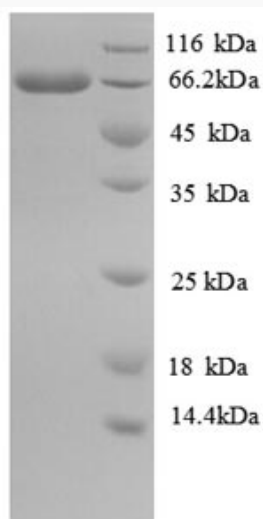
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UniProt ID

P69451



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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