

AIFM1 recombinant protein

AIFM1, 98-609aa, Human, His tag, E Coli

CATALOG # AAA11826	HOST E Coli	APPLICATIONS SDS-Page
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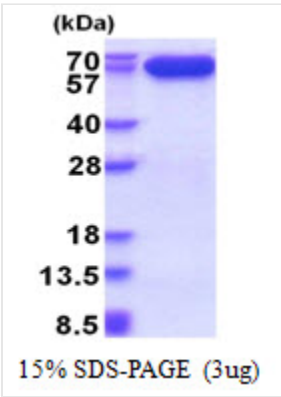
PRODUCT SYNONYMS

AIFM1; 98-609aa; Human; His tag; E Coli; Apoptosis-inducing factor 1 mitochondrial isoform 2 precursor; Apoptosis-inducing factor 1; mitochondrial isoform 2 precursor; AIF; CMTX4; COWCK; COXPD6; PDCD8; AIFM1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSSLVPRGSH MGSEFLGLTP EQKQKKAALS ASEGEEVPQD KAPSHVPFLL IGGGTAFAAA ARSIRARDPG ARVLIVSEDP ELPYMRPPLS KELWFSDDPN VTKTLRFKQW NGKERSIYFQ PPSFYVSAQD LPHIENGGA VLTGKKVVQL DVDRNMVKLN DGSQITYEKC LIATGGTPRS LSAIDRAGAE VKSRTTLFRK IGDFRSLEKI SREVKSITII GGGFLGSELA CALGRKARAL GTEVIQLFPE KGNMGKILPE YLSNWTMEKV RREGVKVMPN AIVQSVGVSS GKLLIKLDG RKVETDHIVA AVGLEPNVEL AKTGGLIDS DFGGFRVNAE LQARSNIVVA GDAACFYDIK LGRRRVEHHD HAVVSGRLAG ENMTGAAKPY WHQSMFWSDL GPDVGYEAG LVDSSLPTVG VFAKATAQDN PKSATEQSGT GIRSESETES EASEITIPPS TPAVPQAPVQ GEDYGKGVIF YLRDKVVVGI VLWNIFNRMP IARKIIKDGE QHEDLNEVAK LFNIHED
Sequence Length	609
Applicable Applications for AIFM1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for AIFM1 recombinant protein	Apoptosis-inducing factor 1, mitochondrial isoform 2 precursor, also known as AIFM1, is a mitochondrial protein that translocates to the nucleus upon induction of apoptosis. AIFM1 has been shown to cause DNA fragmentation and chromatin condensation and to induce the release of cytochrome c and caspase-9 from mitochondria. Bcl-2 overexpression has been shown to prevent the release of AIFM1 from mitochondria, but not to block its apoptogenic activity. Mutations in this gene cause combined oxidative phosphorylation deficiency 6, which results in a severe mitochondrial encephalomyopathy. Recombinant human AIFM1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for AIFM1 recombinant protein	Metabolism
References	Zamzami N., et al. (1996) J Exp Med. 183: 1533-1544.; Susin S A., et al. (1996) J Exp Med. 184: 1331-1341.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	22202629
NCBI GeneID	9131
NCBI Accession #	NP_665811
NCBI GenBank Nucleotide #	NM_145812.2
UniProt Accession #	O95831; Q1L6K4; Q1L6K6; Q2QKE4; Q5JUZ7; Q6I9X6; Q9Y3I3; Q9Y3I4; A4QPB4; B1ALN1; B2RB08; D3DTE9
Molecular Weight	58.5 kDa (537aa)
NCBI Official Full Name	apoptosis-inducing factor 1, mitochondrial isoform AIF-exB
NCBI Official Synonym Full Names	apoptosis inducing factor mitochondria associated 1
NCBI Official Symbol	AIFM1
NCBI Official Synonym Symbols	AIF; CMT2D; CMTX4; COWCK; DFNX5; NADMR; NAMSD; PDCD8; COXPD6
NCBI Protein Information	apoptosis-inducing factor 1, mitochondrial
UniProt Protein Name	Apoptosis-inducing factor 1, mitochondrial
UniProt Gene Name	AIFM1
UniProt Synonym Gene Names	AIF; PDCD8

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

