

## 32-3173: AIFM1 Recombinant Protein

**Alternative Name :**

Apoptosis-inducing factor 1,mitochondrial,Programmed cell death protein 8,AIFM1,AIF,PDCD8,CMTX4,COWCK,COXPD6,isoform 2 precursor,Apoptosis-Inducing Factor,Mitochondrion-Associated

### Description

Source : Escherichia Coli. AIFM1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 537 amino acids (98-609) and having a molecular mass of 58.5 kDa.AIFM1 is fused to a 25 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Apoptosis-Inducing Factor, Mitochondrion-Associated, 1 (AIFM1) is a mitochondrial protein which translocates to the nucleus once apoptosis has been initiated. AIFM1 causes DNA fragmentation and chromatin condensation and also triggers the release of cytochrome c and caspase-9 from mitochondria. Bcl-2 overexpression prevents the release of AIFM1 from mitochondria, but doesn't block its apoptogenic activity.

### Product Info

**Amount :** 20 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** The AIFM1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.

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

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSEFLGLTP EQKQKKAALS ASEGEEVPQD KAPSHVPFLL IGGGTAFAAA  
ARSIRARDPG ARVLIVSEDP ELPYMRPPLS KELWFSDDPN VTKTLRFKQW NGKERSIYFQ PPSFYVSAQD  
LPHIENGGVA VLTGKKVVQL DVRDNMVKLN DGSQITYEKC LIATGGTPRS LSAIDRAGAE VKSRTTLFRK  
IGDFRSLEKI SREVKSTITI GGGFLGSELA CALGRKARAL GTEVIQLFPE KGNMGKILPE YLSNWTMEKV  
RREGVKVMPN AIVQSVGVSS GKLLIKLDG RKVETDHIVA AVGLEPNVEL AKTGGLLEIDS DFGGFRVNAE  
LQARSNIWVA GDAACFYDIK LGRRRVEHHD HAVVSGRLAG ENMTGAAKPY WHQSMFWSDL  
GPDVGYEAIG LVDSSLPTVG VFAKATAQDN PKSATEQSGT GIRSESETES EASEITIPPS TPAVPQAPVQ  
GEDYGKGVIF YLRDKVVVGI VLWNIFNRMP IARKIIKDGE QHEDLNEVAK LFNIIHED.

