

Apoptosis-Inducing Factor, Mitochondrion-Associated, 1 Human Re-

Item Number	rAP-4138
Synonyms	Apoptosis-inducing factor 1, mitochondrial, Programmed cell death protein 8, AIFM1, AIF, PDCD8, CMTX4, COWCK, COXPD6, isoform 2 precursor, Apoptosis-Inducing Factor, Mitochondrion-Associated, 1.
Description	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.
Uniprot Accession Number	O95831
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSEFLGLTP EQKQKKAALS ASEGEEVPQD KAPSHVPFLL IGGG-TAAFAA ARSIRARDPG ARVLIVSEDP ELPYMRPPLS KELWFSDDPN VTKTLRFKQW NGKERSIYFQ PPSFYVSAQD LPHIENGGA VLTGKKVVQL DVRDNMVKLN DGSQITYEKC LIATGGTPRS LSAIDRA-GAE VKSRTTLFRK IGDFRSLEKI SREVKSTITI GGGFLGSELA CALGRKARAL GTEVIQLFPE KGNMG-KILPE YLSNWTMEKV RREGVKVMPN AIVQSVGVSS GKLLIKLKDQ RRVETDHIVA AVGLEPNVEL AK-TGGLEIDS DFGGFRVNAE LQARSNIWVA GDAACFYDIK LGRRRVEHHD HAVVSGRLAG
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The AIFM1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**