Recombinant Human Apoptosis-inducing factor 1, mitochondrial (AIFM1)

Product Code	CSB-EP001492HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O95831
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	LGLTPEQKQ KKAALSASEG EEVPQDKAPS HVPFLLIGGG TAAFAAARSI RARDPGARVL IVSEDPELPY MRPPLSKELW FSDDPNVTKT LRFKQWNGKE RSIYFQPPSF YVSAQDLPHI ENGGVAVLTG KKVVQLDVRD NMVKLNDGSQ ITYEKCLIAT GGTPRSLSAI DRAGAEVKSR TTLFRKIGDF RSLEKISREV KSITIIGGGF LGSELACALG RKARALGTEV IQLFPEKGNM GKILPEYLSN WTMEKVRREG VKVMPNAIVQ SVGVSSGKLL IKLKDGRKVE TDHIVAAVGL EPNVELAKTG GLEIDSDFGG FRVNAELQAR SNIWVAGDAA CFYDIKLGRR RVEHHDHAVV SGRLAGENMT GAAKPYWHQS MFWSDLGPDV GYEAIGLVDS SLPTVGVFAK ATAQDNPKSA TEQSGTGIRS ESETESEASE ITIPPSTPAV PQAPVQGEDY GKGVIFYLRD KVVVGIVLWN IFNRMPIARK IIKDGEQHED LNEVAKLFNI HED
Source	E.coli
Target Names	AIFM1
Protein Names	Recommended name: Apoptosis-inducing factor 1, mitochondrial EC= 1.-.-.- Alternative name(s): Programmed cell death protein 8
Expression Region	102-613
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a flavoprotein essential for nuclear disassembly in apoptotic cells that is found in the mitochondrial intermembrane space in healthy cells. Induction of apoptosis results in the translocation of this protein to the nucleus where it effects chromosome condensation and fragmentation. In addition, this gene product induces mitochondria to release the apoptogenic proteins cytochrome c and caspase-9. Several alternative transcripts encoding different isoforms have been identified for this gene.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final

	concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.