



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

<b>Product Code</b>	CSB-EP001492HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O95831
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LGLTPEQKQ KKAALSASEG EEVPQDKAPS HVPFLLIGGG TAAFAAARSI RARDPGARVL IVSEDPPELY MRPPLSKELW FSDDPNVTKT LRFKQWNGKE RSIYFQPPSF YVSAQDLPHI ENGGVAVLTG KKVVQLDVRD NMVKLNDGSGQ ITYEKCLIAT GGTPRSLAI 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
<b>Source</b>	E.coli
<b>Target Names</b>	AIFM1
<b>Protein Names</b>	Recommended name: Apoptosis-inducing factor 1, mitochondrial EC= 1.-.-.- Alternative name(s): Programmed cell death protein 8
<b>Expression Region</b>	102-613
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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.