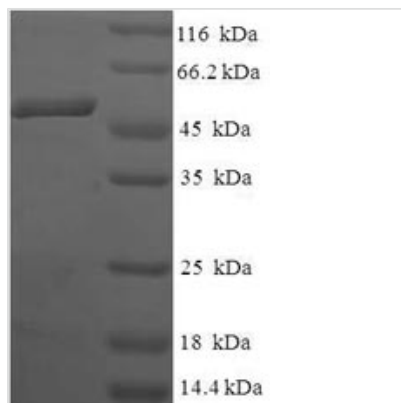




Recombinant Human Anamorsin (CIAPIN1)

Product Code	CSB-EP738750HU
Relevance	Has anti-apoptotic effects in the cell. Involved in negative control of cell death upon cytokine withdrawal. Promotes development of hematopoietic cells . Component of the cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery. Required for the maturation of extramitochondrial Fe-S proteins. Part of an electron transfer chain functioning in an early step of cytosolic Fe-S biogenesis. Electrons are transferred to the Fe-S cluster from NADPH via the FAD- and FMN-containing protein NDOR1.1 Publication
Abbreviation	Recombinant Human CIAPIN1 protein
Storage	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.
Uniprot No.	Q6FI81
Alias	Cytokine-induced apoptosis inhibitor 1
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MADFGISAGQFVAVVWDKSSPVEALKGLVDKLQALTGNEGRVSVENIKQLLQS AHKESSFDIILSGLVPGSTTLHSAEILAEIARILRPGGCLFLKEPVETAVDNNNSKV KTASKLCSALTLSGLVEVKELQREPLTPEEVQSVREHLGHESDNLFFVQITGKK PNFEVGSSRQLKLSITKKSSPSVKPAVDPAAAKLWTLSSANDMEDDSMDLIDSD ELLDPEDLKKPDPASLRAASCGEGKKRKACKNCTCGLAEELEKEKSREQMSS QPKSACGNCYLGDALFRASCAPYLGMPAFKPGKEKVLSDSNLHDA
Research Area	Apoptosis
Source	E.coli
Target Names	CIAPIN1
Expression Region	1-312aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	49.6kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Constructing a plasmid encoding the Human CIAPIN1 protein (1-312aa) initiates the general approach for generating the recombinant Human CIAPIN1 protein. Transformation of the plasmid into e.coli cells obtains the plasmid-containing e.coli cells, which are cultured and induced for protein expression. A N-terminal 6xHis-SUMO tag is fused to the protein. Subsequently, the protein is purified through affinity purification, and SDS-PAGE analysis is undertaken to confirm the presence and assess the purity of the protein. The protein's purity exceeds 90%.

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.