



# Recombinant Human Stress-70 protein, mitochondrial (HSPA9)

<b>Product Code</b>	CSB-EP010830HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P38646
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>           ASEA IKGAVVGIDL GTTNSCVAVM EGKQAKVLEN AEGARTTPSV            VAFTADGERL VGMPAKRQAV TNPNTFYAT KRLIGRRYDD PEVQKDIKNV            PFKIVRASNG DAWVEAHGKL YSPSQIGAFV LMKMKETAEN YLGHTAKNAV            ITVPAYFNDS QRQATKDAGQ ISGLNVL RVI NEPTAAALAY GLDKSEDKVI            AVYDLGGGTF DISILEIQKG VFEVKSTNGD TFLGGEDFDQ ALLRHIVKEF            KRETGVDLTK DNMALQRVRE AA EKAKCELS SSVQTDINLP YLTMDSSGPK            HLNMKLTRAQ FEGIVTDLIR RTIAPCQKAM QDAEVSKSDI GEVILVGGMT            RMPKVQQTVQ DLFGRAPSKA VNPDEAVAIG AAIQGGVLAG DVTDVLLLDV            TPLSLGIETL GGVFTKLINR NTTIPTKKSQ VFSTAADGQT QVEIKVCQGE            REMAGDNKLL GQFTLIGIPP APRGVPQIEV TFDIDANGIV HVSAKDKGTG            REQQIVIQSS GGLSKDDIEN MVKNAEKYAE EDRRKKERVE AVNMAEGIIH            DTETKMEEFK DQLPADECNK LKEEISKMRE LLARKDSETG ENIRQAASSL            QQASLKL FEM AYKKMASERE GSGSSGTGEQ KEDQKEEKQ         </p>
<b>Source</b>	E.coli
<b>Target Names</b>	HSPA9
<b>Protein Names</b>	Recommended name: Stress-70 protein, mitochondrial Alternative name(s): 75 kDa glucose-regulated protein Short name= GRP-75 Heat shock 70 kDa protein 9 Mortalin Short name= MOT Peptide-binding protein 74 Short name=
<b>Expression Region</b>	47-679
<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>	The product encoded by this gene belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This gene encodes a heat-shock cognate protein. This protein plays a role in the control of cell proliferation. It may also act as a chaperone.
<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.

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**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.