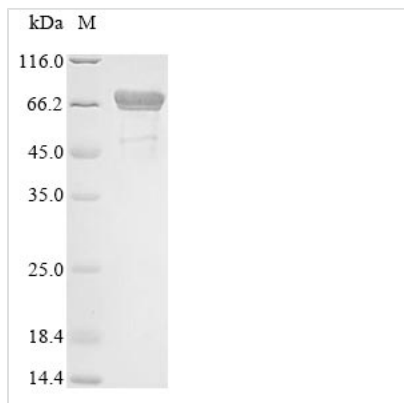




Recombinant Escherichia coli Chaperone protein DnaK (dnaK)

Product Code	CSB-YP633459EGW
Relevance	Acts as a chaperone.
Abbreviation	Recombinant E.coli dnaK 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.	Q1RGI8
Alias	HSP70 Heat shock 70 kDa protein Heat shock protein 70
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain UTI89 / UPEC)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGKIIGIDLGTTNSCVAIMDGTTPRVLENAEGDRTPPSIIAYTQDGETLVGQPAK RQAVTNPQNTLFAIKRLIGRRFQDEEVQRDVSIMPFKIIAADNGDAWVEVKGQK MAPPQISAEVLKMKKTAEDYLGEVPTEAVITVPAYFNDAQRQATKDAGRIAGL EVKRIINEPTAAALAYGLDKGTGNRTIAVYDLGGGTFDISIIEIDEVDGEKTFEVL ATNGDTHLGGEDFDSRLINYLVEEFKDKQIDLRNDPLAMQRLKEAAEKAKIEL SSAQQTDVNLPHYITADATGPKHMNIKVTRAKLESLVEDLVNRSIEPLKVALQDA GLSVSDIDDVILVGGQTRMPMVQKKVAEFFGKEPRKDVNPDEAVAIGA AVQG GVLTG DVKDVLLLDVTPSLGIETMGGVMTTLIAKNTTIPTKHSQVFSTAEDNQ SAVTIHVLQGERKRAADNKSLGQFNLDGINPAPRGMPQIEVTFDIDADGILHVS AKDKNSGKEQKITIKASSGLNEDEIQKMVRDAEANA EADRKFEELVQTRNQGD HLLHSTRKQVEEAGDKLPADDKTAIESALTALETALKGEDKAAIEAKMQELAQV SQKLMEIAQQQHAQQQTAGADASANNAKDDDDVVDAEFEEVKDKK
Source	Yeast
Target Names	dnaK
Protein Names	HSP70 Heat shock 70KDA protein Heat shock protein 70
Expression Region	1-638aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	71.1 kDa
Protein Length	Full Length
Image	



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

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.