

DnaJ recombinant protein

DnaJ, 1-376aa, E Coli, E Coli

CATALOG #
AAA11738

APPLICATIONS
SDS-Page

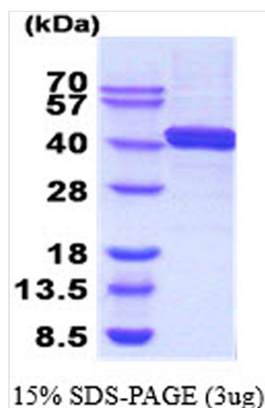
PRODUCT SYNONYMS

DnaJ; 1-376aa; E Coli; DNAJA1; DNAJ2; HDJ2; HSJ2; HSPF4; DnaJ (1-376aa); Heat shock 40 kDa protein 4; DnaJ protein homolog 2; HDJ-2; HSJ-2; HSDJ; DnaJ homolog subfamily A member 1; DnaJ recombinant protein

PRODUCT SPECIFICATIONS

Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 25 mM Tris-HCl Buffer (pH 8.8) containing 5 mM DTT, 100 mM NaCl, 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence Positions	1-376aa
Sequence	MAKQDYIEIL GVSKTAEHE IRKAYKRLAM KYHPDRNQGD KEAEAKFKEI KEAYEVLTDG QKRAAYDQYG HAAFEQGGMG GGGFGGGADF SDIFGDVFGD IFGGGRGRQR AARGADLRYN MELTLEEAVR GVTKEIRIPT LEECDVCHGS GAKPGTQPQT CPTCHGSGQV QMRQGFFAVQ QTCPHCQGRG TLIKDPCNKC HGHGRVERSK TLVKIPAGV DTGDRIRLAG EGEAGEHGAP AGDLYVQVQV KQHPIFEREG NNLYCEVPIN FAMAALGGEI EVPTLDGRVK LKVPGETQTG KLFRMRGKGV KSVRGAQGD LLCRVVETP VGLNERQKQL LQELQESFGG PTGEHNSPRS KSFFDGVKKF FDDLTR
Applicable Applications for DnaJ recombinant protein	SDS-PAGE
Tag	Non-Tagged
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for DnaJ recombinant protein	DnaJ, Heat shock protein, functions in association with DnaK (Hsp70) molecular chaperone to facilitate protein folding. p70 chaperone. DnaJ plays a key role in the chaperone reaction by stimulating the ATPase activity and activating the substrate binding of Hsp70.. DnaJ consists of four domains that are N-terminal 76 amino acid J-domain, G/F domain, zinc-binding cystein rich CR-domain, C-terminal CTD-domain and they are conserved to various degrees among the homologues. DnaJ (amino acids 1-376) was overexpressed in E. coli and purified to apparent homogeneity by using conventional column chromatography techniques.
Product Categories/Family for DnaJ recombinant protein	Heat Shock Proteins
References	Bardwell,J.C., et al (1986) J.Biol.Chem.261 (4);1782-1785; Ohki M.,et al (1986) J.Biol.Chem.261 (4);1778-1781; Zyllicz M., et.al. (1989) EMBO J 8 (5)1601-8 ; Landry S.J., et al. (2003) Biochemistry 42 (17)4926-36;

NCBI AND UNIPROT INFORMATION

NCBI GI #	16128009
NCBI GeneID	944753
NCBI Accession #	NP_414556
NCBI GenBank Nucleotide #	NC_000913.3
UniProt Accession #	P08622
Molecular Weight	41.1kDa (376aa), confirmed by MALDI-TOF.
NCBI Official Full Name	chaperone Hsp40, DnaK co-chaperone
NCBI Official Symbol	dnaJ
NCBI Official Synonym Symbols	ECK0015; faa; groP; grpC; JW0014
NCBI Protein Information	chaperone Hsp40, DnaK co-chaperone
UniProt Protein Name	Chaperone protein DnaJ
UniProt Gene Name	dnaJ
UniProt Synonym Gene Names	groP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/dnaj-recombinant-protein-sds-page/11738>