

HSP60 recombinant protein

HSP60, 1-573aa, Human, His tag, E Coli

CATALOG # AAA11747	HOST E Coli	APPLICATIONS SDS-Page
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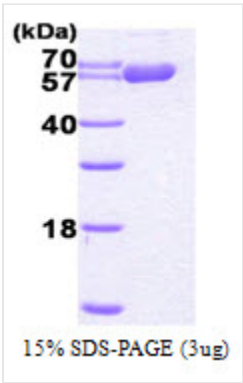
PRODUCT SYNONYMS

HSP60; 1-573aa; Human; His tag; E Coli; Heat shock 60kDa protein 1; CPN60; GroEL; HSP65; SPG13; HuCHA60; Heat shock 60kDa protein 1 60 kDa chaperonin; E; coli; homolog of; 60 kDa heat shock protein mitochondrial; 60kDa; cb863; Chaperonin; Chaperonin 60; 60-KD; CPN 60; fa04a05; fb22d10; fi27b05; GroEL Homolog; Heat shock 60kD protein 1 (chaperonin); Heat shock 60kD protein 1 chaperonin; heat shock 60kDa protein 1 (chaperonin); Heat shock protein 1 (chaperonin); Heat Shock Protein 60; Heat shock protein 65; HLD4; Hsp 60; HSP 65; HSPD 1; HSPD1; id:ibd2197; Spastic paraplegia 13 Mitochondrial matrix protein P1; P60 lymphocyte protein; sb:cb144; Short heat shock protein 60 Hsp60s1; Spastic paraplegia 13 (autosomal dominant); SPG 13; wu:fa04a05; wu:fb22d10; wu:fi04a12; wu:fi27b05.; HSP60 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in 25mM Tris pH 7.5, 100mM NaCl, 5mM DTT, 10% glycerol.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MLRLPTVFRQ MRPVSRVLAP HLTRAYAKDV KFGADARALM LQGVDLLADA VAVTMGPKGR TVIEQSWGS PKVTKDGVTV AKSIDLKDKY KNIGAKLVQD VANNTNEEAG DGT TTATVLA RSIAKEGF EK ISKGANPVEI RRGVMLAVDA VIAELKKQSK PVTTP EEIAQ VATISANGDK EIGNISDAM KKVGRKG VIT VKDGKTLNDE LEIEGMKFD RGYISPYFIN TSKGQKCEFQ DAYVLLSEKK ISSIQSIVPA LEIANAH RKP LVIIAEDVDG EALSTLV LNR LKVGLQVVAV KAPGFGDNRK NQLKDMAIAT GGAVFGEEGL TLNLEDVQPH DLGKVGEVIV TKDDAMLLKG KGDKAQIEKR IQEIIQLDV TTSEYEKEKL NERLAKLSDG VAVLKVG GTS DVEVNEKKDR VTDALNATRA AVEEGIVLGG GCALLRCIPA LDSLTPANED QKIGIEIKR TLKIPAMTIA KNAGVEGSLI VEKIMQSSSE VGYDAMAGDF VNMVEKGIID PTKVVRTALL DAAGVASLLT TAEVVVTEIP KEEKDPGMGA MGGMGGGMGG GMF
Sequence Length	573
Applicable Applications for HSP60 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HSP60 recombinant protein	Heat shock protein 60 (HSP60) is a mitochondrial chaperonin that is typically held responsible for the transportation and refolding of proteins from the cytoplasm into the mitochondrial matrix. HSP60 is the ~60kDa mammalian equivalent to GroEL of E Coli. Process of HSP60 is regulated by the cochaperonin HSP10, a single heptameric ring of ~10kD subunits that forms a complex with HSP60. HSP10 coordinates the ATPase activity of the HSP60 subunits to allow the release of bound polypeptide in a manner productive for folding. Recombinant human HSP60, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for HSP60 recombinant protein	Heat Shock Proteins
References	Cheng MY., et al. (1990), Nature. 348: 455- 458; Ghosh JC., et al. (2008), J Biol Chem. Feb 22; 283 (8):5188-94

NCBI AND UNIPROT INFORMATION

NCBI GI #	31542947
NCBI GeneID	3329
NCBI Accession #	NP_002147
NCBI GenBank Nucleotide #	NM_002156.4
UniProt Accession #	P10809; Q38L19; Q9UCR6; B2R5M6; B7Z712
Molecular Weight	63kDa (593aa)
NCBI Official Full Name	60 kDa heat shock protein, mitochondrial
NCBI Official Synonym Full Names	heat shock protein family D (Hsp60) member 1
NCBI Official Symbol	HSPD1
NCBI Official Synonym Symbols	HLD4; CPN60; GROEL; HSP60; HSP65; SPG13; HSP-60; HuCHA60
NCBI Protein Information	60 kDa heat shock protein, mitochondrial
UniProt Protein Name	60 kDa heat shock protein, mitochondrial
UniProt Gene Name	HSPD1
UniProt Synonym Gene Names	HSP60; CPN60; HSP-60; Hsp60

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.