

## 60 kDa heat shock protein, mitochondrial (HSPD1) Recombinant Protein | HSPD1 recombinant protein

Recombinant Human 60 kDa heat shock protein, mitochondrial (HSPD1)

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|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA113549</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

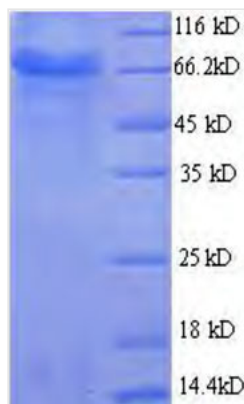
### PRODUCT SYNONYMS

60 kDa heat shock protein; mitochondrial (HSPD1); Recombinant Human 60 kDa heat shock protein; HSPD1 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sequence Positions      | 27-573aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                | AKDVKFGADA RALMLQGVDL LADAVAVTMG PKGRTVII EQ SWGSPKVT KD GVTVAKSIDL KDKYKNIGAK<br>LVQDVANNTN EEAGDGT TTA TVLARSIAKE GF EKISKGAN PVEIRRGV ML AVDAVIAELK KQSKPVTTPE<br>EIAQVATISA NGDKEIGNII SDAMKKVGRK GVITVKDGKT LNDELEII EG MKFDRGYISP YFINTSKGQK<br>CEFQDAYVLL SEKKISSIQS IVPAL EIANA HRKPLVIAE DVDGEALSTL VLNRLKVGLQ VVAVKAPGFG<br>DNRKNQLKDM AIATGGAVFG EEGLTLNLED VQPHDLGKVG EVIVTKDDAM LLKGKGDKAQ IEKRIQEII E<br>QLDVTTSEYE KEKLNERLAK LSDGVAVLKV GGTSDVEVNE KKDRVTDALN ATRAAVEEGI VLGGGCALLR<br>CIPALDSLTP ANEDQKIGIE IIKRTLKIPA MIAKNAGVE GSLIVEKIMQ SSSEVGYDAM AGDFVNMVEK<br>GIIDPTKVVR TALLDAAGVA SLLTTAEVVV TEIPKEEKDP GMGAMGGMGG GMGGGMF |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

### IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HSPD1 recombinant protein | This gene encodes a member of the chaperonin family. The encoded mitochondrial protein may function as a signaling molecule in the innate immune system. This protein is essential for the folding and assembly of newly imported proteins in the mitochondria. This gene is adjacent to a related family member and the region between the 2 genes functions as a bidirectional promoter. Two pseudogenes, both located on chromosome 8, have been associated with this gene. Two transcript variants encoding the same protein have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 13. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| NCBI GI #                        | 31542947                                                 |
| NCBI GeneID                      | 3329                                                     |
| NCBI Accession #                 | NP_002147.2                                              |
| NCBI GenBank Nucleotide #        | NM_002156.4                                              |
| UniProt Accession #              | P10809; Q38L19; Q9UCR6; B2R5M6; B7Z712                   |
| Molecular Weight                 | 17,100 Da                                                |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/hspd1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113549>