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# Product datasheet for AR50851PU-S

## HSP60 (27-573, His-tag) Human Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | HSP60 (27-573, His-tag) human recombinant protein, 50 µg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGSSHHHHHH SSGLVPRGSH MGSHMAKDVK FGADARALML QGVDLLADAV AVTMGPKGRT VIIEQSWGSP KVTKDGVTVA KSIDLKDKYK NIGAKLVQDV ANNTNEEAGD GTTTATVLAR SIAKEGFEKI SKGANPVEIR RGVMLAVDAV IAELKKQSKP VTTPEEIAQV ATISANGDKE IGNIISDAMK KVGRKGVITV KDGKTLNDEL EIIEGMKFDR GYISPYFINT SKGQKCEFQD AYVLLSEKKI SSIQSIVPAL EIANAHRKPL VIIAEDVDGE ALSTLVLNRL KVGLQVVAVK APGFGDNRKN QLKDMAIATG GAVFGEEGLT LNLEDVQPHD LGKVGEVIVT KDDAMLLKGK GDKAQIEKRI QEIIEQLDVT TSEYEKEKLN ERLAKLSDGV AVLKVGGTSD VEVNEKKDRV TDALNATRAA VEEGIVLGGG CALLRCIPAL DSLTPANEDQ KIGIEIIKRT LKIPAMTIAK NAGVEGSLIV EKIMQSSSEV GYDAMAGDFV NMVEKGIIDP TKVVRTALLD AAGVASLLTT AEVVVTEIPK EEKDPGMGAM GGMGGGMGGG MF |
| **Tag:** | His-tag |
| **Predicted MW:** | 60 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >90% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol. |
| **Preparation:** | Liquid purified protein |
| **Protein Description:** | Recombinant human HSP60 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| **Storage:** | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_002147 |
| **Locus ID:** | 3329 |

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**UniProt ID:** P10809, A0A024R3X4

**Cytogenetics:** 2q33.1

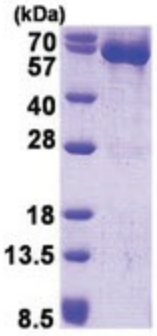
**Synonyms:** CPN60; GROEL; HLD4; HSP-60; HSP60; HSP65; HuCHA60; SPG13

**Summary:** 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. Several pseudogenes 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. [provided by RefSeq, Jun 2010]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:** RNA degradation, Type I diabetes mellitus

## Product images:




15% SDS-PAGE (3ug)