

Product datasheet for **AR50851PU-N**

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

Product data:

Product Type:	Recombinant Proteins
Description:	HSP60 (27-573, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEMAKDVK FGADARALML QGVDLLADAV AVTMGPKGRT VIIQSWGSP KVTKDGVTVA KSIDLKDKYK NIGAKLVQDV ANNTNEEAGD GTTTATVLAR SIAKEGFEKI SKGANPVEIR RGVMLAVDAV IAEKKQSKP VTPPEIAQV ATISANGDKE IGNIISDAMK KVGRKGVITV KDGKTLNDEL EIIEGMKFDR GYISPYFINT SKGQKCEFQD AYVLLSEKKI SSIQSIVPAL EIANAHRKPL VIIAEDVDGE ALSTLVNLRL KVGLQVAVK APGFGDNRKN QLKDMAIATG GAVFGEEGLT LNLEDVQPHD LGKVGEVIVT KDDAMLLK GK GDKAQIEKRI QEIIQLDVT TSEYEKEKLN ERLAKLSDGV AVLKVGSTSD VEVNEKKDRV TDALNATRAA VEEGVLGGG CALLRCIPAL DSLTPANEDQ KIGIEIKRT LKIPAMTIAK NAGVEGLIV EKIMQSSSEV GYDAMAGDFV NMVEKGIIDP TKVVRTALLD AAGVASLLTT AEWVTEIPK EEKDPGMGAM GGMGGGMGGG MF
Tag:	His-tag
Predicted MW:	60 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein 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:	<u>NP_002147</u>
Locus ID:	3329



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UniProt ID:	P10809
Cytogenetics:	2q33.1
Synonyms:	HSP-60, HSPD1, Heat shock protein 60, Chaperonin 60, HuCHA60, GROEL, GroEL Homolog, CPN60
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: