

Product datasheet for **AR03019PU-S**

HSP60 (active) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	HSP60 (active) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Concentration:	lot specific
Purity:	>90% pure as determined by SDS-PAGE analysis.
Buffer:	Presentation State: Aff - Purified State: Liquid Affinity purified protein. Buffer System: Na-Phosphate, pH 7.5 (20 mM), 150 mM NaCl, 10% Glycerol, 200 mM Imidazole
Preparation:	Liquid Affinity purified protein.
Applications:	ATPase Assay Western Blot Control. Binding Assays. ELISA reference standard.
Protein Description:	Recombinant Human Hsp60 Protein with ATPase activity, his-tagged
Storage:	Store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
RefSeq:	NP_002147
Locus ID:	3329
UniProt ID:	P10809
Cytogenetics:	2q33.1
Synonyms:	HSP-60, HSPD1, Heat shock protein 60, Chaperonin 60, HuCHA60, GROEL, GroEL Homolog, CPN60



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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:	ATPase Assay Western Blot Control. Binding Assays. ELISA reference standard.
Protein Pathways:	RNA degradation, Type I diabetes mellitus