

Active Recombinant Human HSPD1 Protein, His-tagged

Cat. No. HSPD1-022H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human HSPD1 protein (2-573) with a N-terminal Histidine tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-573
Description	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.
Bio-activity	ATPase activity confirmed by ADP detection assay
Molecular Mass	63.27kDa
Purity	≥90% estimated by SDS-PAGE
Stability	≥ 1 year

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Store at -80 centigrade

Shipping Wet ice in continental US; may vary elsewhere

GENE INFORMATION

Gene Name [HSPD1 heat shock protein family D \[Homo sapiens \(human\) \]](#)

Official Symbol [HSPD1](#)

Synonyms HSPD1; heat shock protein family D; HLD4; CPN60; GROEL; HSP60; HSP65; SPG13; HSP-60; HuCHA60; 60 kDa heat shock protein, mitochondrial; 60 kDa chaperonin; P60 lymphocyte protein; chaperonin 60; epididymis secretory sperm binding protein; heat shock 60kDa protein 1 (chaperonin); heat shock protein 65; mitochondrial matrix protein P1; short heat shock protein 60 Hsp60s1; EC 5.6.1.7

Gene ID [3329](#)

mRNA Refseq [NM_002156](#)

Protein Refseq [NP_002147](#)

MIM [118190](#)

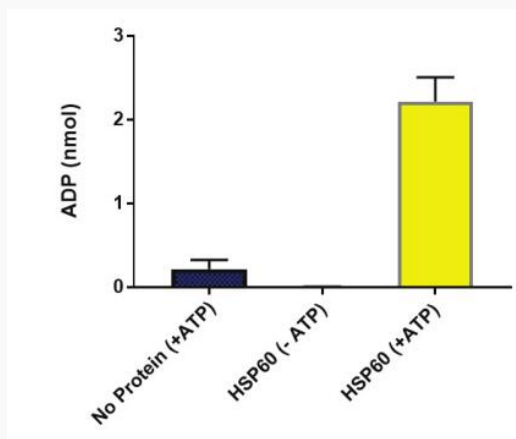
UniProt ID [P10809](#)

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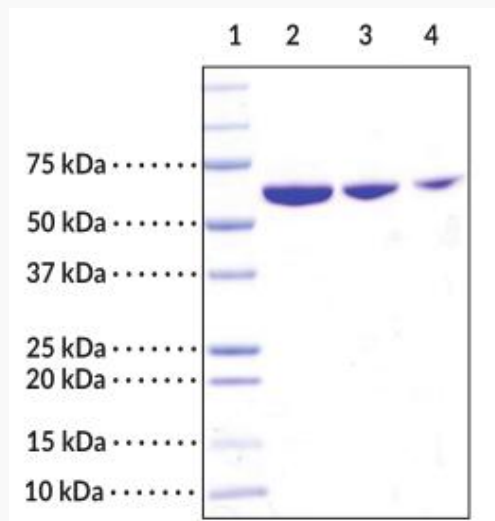
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ATPase Activity of HSPD1



SDS-PAGE analysis of HSPD1.



Lane 1: MW Markers
 Lane 2: HSPD1 (4 g)
 Lane 3: HSPD1 (2 g)
 Lane 4: HSPD1 (1 g)