

HSP60 Protein, Mouse (N-His)

Cat. No.:	HY-P73916A
Synonyms:	60 kDa heat shock protein, mitochondrial; CPN60; HSP-60; HSPD1
Species:	Mouse
Source:	E. coli
Accession:	P63038 (L2-F573)
Gene ID:	15510
Molecular Weight:	Approximately 65 kDa

PROPERTIES

AA Sequence

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L R L P T V L R Q M   R P V S R A L A P H   L T R A Y A K D V K   F G A D A R A L M L
Q G V D L L A D A V   A V T M G P K G R T   V I I E Q S W G S P   K V T K D G V T V A
K S I D L K D K Y K   N I G A K L V Q D V   A N N T N E E A G D   G T T T A T V L A R
S I A K E G F E K I   S K G A N P V E I R   R G V M L A V D A V   I A E L K K Q S K P
V T T P E E I A Q V   A T I S A N G D K D   I G N I I S D A M K   K V G R K G V I T V
K D G K T L N D E L   E I I E G M K F D R   G Y I S P Y F I N T   S K G Q K C E F Q D
A Y V L L S E K K I   S S V Q S I V P A L   E I A N A H R K P L   V I I A E D V D G E
A L S T L V L N R L   K V G L Q V V A V K   A P G F G D N R K N   Q L K D M A I A T G
G A V F G E E G L N   L N L E D V Q A H D   L G K V G E V I V T   K D D A M L L K G K
G D K A H I E K R I   Q E I T E Q L D I T   T S E Y E K E K L N   E R L A K L S D G V
A V L K V G G T S D   V E V N E K K D R V   T D A L N A T R A A   V E E G I V L G G G
C A L L R C I P A L   D S L K P A N E D Q   K I G I E I I K R A   L K I P A M T I A K
N A G V E G S L I V   E K I L Q S S S E V   G Y D A M L G D F V   N M V E K G I I D P
T K V V R T A L L D   A A G V A S L L T T   A E A V V T E I P K   E E K D P G M G A M
G G M G G G M G G G   M F

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Biological Activity HSP60 has ATPase activity at the time of manufacture of 49.361 μM phosphate liberated/h/ μg protein in a 200 μL reaction at 37°C in the presence of 10 μL of 4 mM ATP using a Malachite Green assay.

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Endotoxin Level <1 EU/ μg , determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 $\mu\text{g}/\text{mL}$ in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

Shipping

Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

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