

## Product Data Sheet

## HSPA8/HSC70 Protein, Human (N-His)

Cat. No.:	HY-P73915A
Synonyms:	Heat shock cognate 71 kDa protein; LAP-1; HSPA8; HSC70
Species:	Human
Source:	E. coli
Accession:	P11142-1 (M1-D646)
Gene ID:	3312
Molecular Weight:	Approximately 65 kDa

## PROPERTIES

AA Sequence				
Anocquence	MSKGPAVGID	LGTTYSCVGV	FQHGKVEIIA	NDQGNRTTPS
	YVAFTDTERL	IGDAAKNQVA	ΜΝΡΤΝΤΥΓΡΑ	KRLIGRRFDD
	АVVQSDMKHW	PFMVVNDAGR	PKVQVEYKGE	ТКЅFҮPEEVS
	SMVLTKMKEI	AEAYLGKTVT	ΝΑΥΥΤΥΡΑΥΕ	N D S Q R Q A T K D
	AGTIAGLNVL	RIINEPTAAA	IAYGLDKKVG	AERNVLIFDL
	GGGTFDVSIL	TIEDGIFEVK	STAGDTHLGG	EDFDNRMVNH
	FIAEFKRKHK	KDISENKRAV	RRLRTACERA	KRTLSSSTQA
	SIEIDSLYEG	IDFYTSITRA	RFEELNADLF	RGTLDPVEKA
	LRDAKLDKSQ	IHDIVLVGGS	TRIPKIQKLL	QDFFNGKELN
	KSINPDEAVA	YGAAVQAAIL	SGDKSENVQD	LLLDVTPLS
	LGIETAGGVM	TVLIKRNTTI	РТКQТQТFТТ	Y S D N Q P G V L I
	QVYEGERAMT	KDNNLLGKFE	LTGIPPAPRG	VPQIEVTFDI
	DANGILNVSA	VDKSTGKENK	ITITNDKGRL	SKEDIERMVQ
	ЕАЕКҮКАЕDЕ	KQRDKVSSKN	SLESYAFNMK	ATVEDEKLQG
	KINDEDKQKI	LDKCNEIINW	LDKNQTAEKE	EFEHQQKELE
	KVCNPIITKL	YQSAGGMPGG	MPGGFPGGGA	P P S G G A S S G P
	TIEEVD			
<b>Biological Activity</b>	USC70 bac ATDaca activity	at the time of manufacture	of 12 172 uM phoephata libe	erated/h/μg protein in a 200μL reaction at
BIOLOGICAL ACTIVITY		$\mu$ L of 4 mM ATP using a Mala		erated/n/µg protein in a 200µL reaction at
	57 C III the presence of 10		define ofeen assay.	
Appearance	Lyophilized powder			
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Formulation	I vophilized from a 0.2 um	filtered solution of 20 mM P	B. 150 mM NaCl. pH 7.4.	
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Endotoxin Level	<1 EU/µg, determined by L	AL method.		
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Reconsititution	It is not recommended to I	reconstitute to a concentrat	ion less than 100 μg/mL in d	ldH <sub>2</sub> O. For long term storage it is
			HSA, 10% FBS or 5% Trehald	
Storage & Stability	Stored at -20°C for 2 vears.	. After reconstitution. it is st	able at 4°C for 1 week or -20'	°C for longer (with carrier protein). It is
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diverse cellular pathways.

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

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