

Product datasheet for PH302209

Hsc70 (HSPA8) (NM_006597) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HSPA8 MS Standard C13 and N15-labeled recombinant protein (NP_006588)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202209
Predicted MW:	70.9 kDa
Protein Sequence:	>RC202209 protein sequence Red=Cloning site Green=Tags(s)

MSKGPVAVGIDLGTYSVGVFQHGKVEIIANDQGNRTTPSYVAFDTERLIGDAAKNQVAMNPTNTVFDA
KRLIGRRFDDAVVQSDMKHWPFMVNDAGRPKVQVEYKGETKSFYPEEVSSMVLTKMKEIAEAYLGKTVT
NAVVTVPAYFNDSQRQATKDAGTIAGLNLVRIINEPTAAAIAYGLDKKVAERNVLIIFDLGGGTFDVSIL
TIEDGIFEVKSTAGDTHLGGEDFDNRMVNHFAEFKRKHKKDISENKRAVRLRTACERAKRTLSSTQA
SIEIDSLYEGIDFYTSITRARFEELNADLFRGTLDPVEKALRDAKLDKSQIHDIVLVGGSTRIPKIQKLL
QDFNKGKELNKSINPDEAVAYGAAVQAAILSGDKSENVQDLLLDVTPLSLGIETAGGVMVTLIKRNTTI
PTKQTQFTTYSNQPGLVIQVYGERAMTKDNNLLGKFELTGIPPAPRGVVPQIEVTFDIDANGILNVSA
VDKSTGKENKITITNDKGRLSKEDIERMVQEAEKYKADEKQRDKVSSKNSLESYAFNMKATVEDEKLQG
KINDEDKQKILDKCNEIINWLDKNQTAEEKEFEHQKLEKVCNPITKLYQSAGGMPGGMPGGFPGGGA
PPSGGASSGPTIEEVD

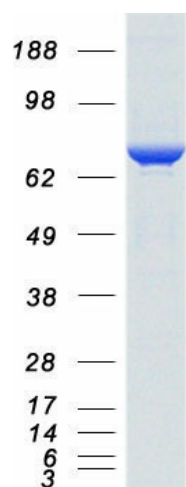
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006588
RefSeq Size:	2473



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RefSeq ORF:	1938
Synonyms:	HEL-33; HEL-S-72p; HSC54; HSC70; HSC71; HSP71; HSP73; HSPA10; LAP-1; LAP1; NIP71
Locus ID:	3312
UniProt ID:	P11142 , V9HW22 , Q53HF2
Cytogenetics:	11q24.1
Summary:	This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]
Protein Families:	Stem cell - Pluripotency
Protein Pathways:	Antigen processing and presentation, Endocytosis, MAPK signaling pathway, Spliceosome

Product images:

Coomassie blue staining of purified HSPA8 protein (Cat# [TP302209]). The protein was produced from HEK293T cells transfected with HSPA8 cDNA clone (Cat# [RC202209]) using MegaTran 2.0 (Cat# [TT210002]).