

## Product datasheet for PH301762

### Hsp40 (DNAJB1) (NM\_006145) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DNAJB1 MS Standard C13 and N15-labeled recombinant protein (NP_006136)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201762
Predicted MW:	38 kDa
Protein Sequence:	>RC201762 protein sequence Red=Cloning site Green=Tags(s)
	<p>MGKDYYQTLGLARGASDEEIKRAYRRQALRYHPDKNKEPGAEEKFKEIAEAYDVLSDPRKREIFDRYGEE            GLKGSGPSGGSGGGANGTSFSYTFHGDPHAMFAEFFGGRNPFDTFFGQRNGEEMDIDDPFSGFPMGMGG            FTNVNFGRSRQAQEPARKKQDPPVTHDLRVSLLEEIYSGCTKKMKISHKRLNPDGKSIRNEDKILTIEVKK            GWKEGTKITFPKEGDQTSNNIPADIVFVLKDKPHNIFKRDGSDVIYPARISLREALCGCTVNVPTLDGRT            IPVVFQDVIRPGMRKVPGEGLPLPKTPEKRGDLIEFEVIFPERIPQTSRTVLEQVLPI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_006136</a>
RefSeq Size:	2419
RefSeq ORF:	1020
Synonyms:	Hdj1; Hsp40; HSPF1; RSPH16B; Sis1
Locus ID:	3337



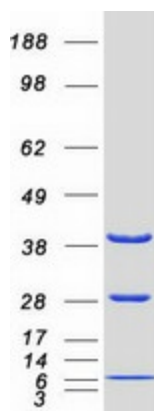
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UniProt ID: [P25685](#), [Q6FHS4](#)

Cytogenetics: 19p13.12

**Summary:** This gene encodes a member of the DnaJ or Hsp40 (heat shock protein 40 kD) family of proteins. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. The encoded protein is a molecular chaperone that stimulates the ATPase activity of Hsp70 heat-shock proteins in order to promote protein folding and prevent misfolded protein aggregation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

### Product images:



Coomassie blue staining of purified DNAJB1 protein (Cat# [TP301762]). The protein was produced from HEK293T cells transfected with DNAJB1 cDNA clone (Cat# [RC201762]) using MegaTran 2.0 (Cat# [TT210002]).