

Product datasheet for PH301628

HDJ2 (DNAJA1) (NM_001539) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DNAJA1 MS Standard C13 and N15-labeled recombinant protein (NP_001530)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201628
Predicted MW:	44.9 kDa
Protein Sequence:	>RC201628 protein sequence Red=Cloning site Green=Tags(s)

MVKETYYDVLGVKPNATQEELKKAYRKLALKYHPDKNPNEGEKFKQISQAYEVLSDAKKRELYDKGGEQ
AIKEGGAGGGFGSPMDIFDMFFGGGGRMQRERRGKNVHQLSVTLEDLYNGATRKLALQKNVICDKCEGR
GGKKGAVECCPNCRGTGMQIRIHQIGPMVQIQSVCMECQGHGERISPKDRCKSCNGRKIVREKKILEV
HIDKGMKDQKQITFHGEGDQEPGLEPGDIIIVLDQKDHAVFTRRGEDLFCMDIQLVEALCGFQKPISTL
DNRTIVITSHPGQIVKHGDIKCVLNEGMPYRRPYEKGRLLIEFKVNFPENGFLSPDKLSLLEKLLPERK
EVEETDEMDQVELVDFDPNQERRRRHYNGEAYEDDEHHPRGGVQCQTS

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:	<u>NP_001530</u>
RefSeq Size:	1538
RefSeq ORF:	1191
Synonyms:	DJ-2; DJA1; hDJ-2; HDJ2; HSDJ; HSJ-2; HSJ2; HSPF4; NEDD7
Locus ID:	3301



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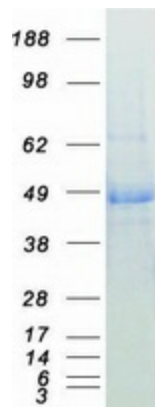
UniProt ID: [P31689](#)

Cytogenetics: 9p21.1

Summary: This gene encodes a member of the DnaJ family of proteins, which act as heat shock protein 70 cochaperones. Heat shock proteins facilitate protein folding, trafficking, prevention of aggregation, and proteolytic degradation. Members of this family are characterized by a highly conserved N-terminal J domain, a glycine/phenylalanine-rich region, four CxxCxGxG zinc finger repeats, and a C-terminal substrate-binding domain. The J domain mediates the interaction with heat shock protein 70 to recruit substrates and regulate ATP hydrolysis activity. In humans, this gene has been implicated in positive regulation of virus replication through co-option by the influenza A virus. Several pseudogenes of this gene are found on other chromosomes. [provided by RefSeq, Sep 2015]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified DNAJA1 protein (Cat# [TP301628]). The protein was produced from HEK293T cells transfected with DNAJA1 cDNA clone (Cat# [RC201628]) using MegaTran 2.0 (Cat# [TT210002]).