

## Product datasheet for **TP301628L**

### HDJ2 (DNAJA1) (NM\_001539) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human Dnaj (Hsp40) homolog, subfamily A, member 1 (DNAJA1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201628 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MVKETTYDVLGVKPNATQEELKKAYRKLALKYHPDKNPNEGKFKQISQAYEVLSDAKKRELYDKGGEQ  
AIKEGGAGGGFGSPMDIFDMFFGGGGRMQRERRGKNVHQLSVTLEDLYNGATRKLALQKNVICDKCEGR  
GGKKGAVECCPNCRGTGMQIRIHQIGPGMVQQIQSVCMECQGHGERISPKDRCKSCNGRKIVREKKILEV  
HIDKGMKDGQKITFHGEGDQEPGLEPGDIIIVLDQKDHAVFTRRGEDLFMCMDIQLVEALCGFQKPISTL  
DNRTIVITSHPGQIVKHGDIKCVLNEGMPYRRPYEKGRLLIEFKVNFPENGFLSPDKLSLLEKLLPERK  
EVEETDEMDQVELVDFDPNQERRRHYNGEAYEDDEHHPRGGVQCQTS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	44.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001530</a>
Locus ID:	3301



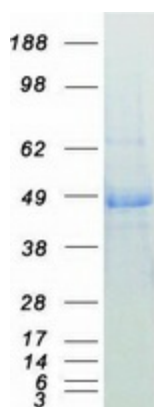
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UniProt ID: [P31689](#)  
RefSeq Size: 1538  
Cytogenetics: 9p21.1  
RefSeq ORF: 1191  
Synonyms: DJ-2; DjA1; hDJ-2; HDJ2; HSDJ; HSJ-2; HSJ2; HSPF4; NEDD7

**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]).