

Product datasheet for PH320679

DNAJB12 (NM_017626) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | DNAJB12 MS Standard C13 and N15-labeled recombinant protein (NP_060096) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC220679 |
| Predicted MW: | 41.9 kDa |
| Protein Sequence: | >RC220679 protein sequence Red=Cloning site Green=Tags(s) |
| | MESNKDEAERCISIALKAIQSNQPDRALRFLEKAQRLYPTPRVRLIESLNQKPQTAGDQPPPTDTHAT HRKAGGTDAPSANGEAGGESTKGYTAEQVAAVKRVKQCKDYIEILGVSRGASDEDLKKAYRRLALKFHPD KNHAPGATEAFKAIQTAYAVLSNPEKRKQYDQFGDDKSQAARHGHGHGDFHRGFADISPEDLFNMFFGG GFPSSNVHVYSNGRMRYTYQQRQDRDNQDGGGLGVFVQLMPILILILVSALSQLMVSSPPYSLSRPSV GHIHRRVTDHLGVVYVGDTFSEEYTGSSLKTVERNVEDDYIANLRNNCWKEKQQKEGLLYRARYFGDTD MYHRAQKMGTPSCSRLSEVQASLHG |
| | 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_060096</u> |
| RefSeq Size: | 3215 |
| RefSeq ORF: | 1125 |
| Synonyms: | DJ10 |
| Locus ID: | 54788 |



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UniProt ID: [Q9NXW2](#), [J3KPS0](#)

Cytogenetics: 10q22.1

Summary: DNAJB12 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus; a glycine/phenylalanine (G/F)-rich region; and a cysteine-rich domain containing 4 motifs resembling a zinc finger domain (Ohtsuka and Hata, 2000 [PubMed 11147971]).[supplied by OMIM, Mar 2008]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified DNAJB12 protein (Cat# [TP320679]). The protein was produced from HEK293T cells transfected with DNAJB12 cDNA clone (Cat# [RC220679]) using MegaTran 2.0 (Cat# [TT210002]).