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Product datasheet for PH302989

UFD1 (NM_005659) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	UFD1L MS Standard C13 and N15-labeled recombinant protein (NP_005650)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202989
Predicted MW:	34.5 kDa
Protein Sequence:	>RC202989 protein sequence Red=Cloning site Green=Tags(s) MFSFNMFDHPIPRVFQNRFSTQYRCFSVSMLAGPNDRSDVEKGGKIIMPPSALDQLSRLNITYPMLFKLT NKNSDRMTHCGVLEFVADEGICYLPHWMMQNLLLEEGGLVQVESVNLQVATYSKFQPQSPDFLDITNPKA VLENALRNFACLTTGDVIAINYNEKIYELRVMETKPDKAVSIIECDMNVDFDAPLGYKEPERQVQHEEST EGEADHSGYAGELGFRAFSGSGNRLDGKKKGVEPSPSPIKPGDIKRGIPNYEFKLGKITFIRNSRPLVKK VEEDEAGGRFVAFSGEGQSLRKKGRKP 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_005650
RefSeq Size:	1783
RefSeq ORF:	921
Synonyms:	UFD1L
Locus ID:	7353

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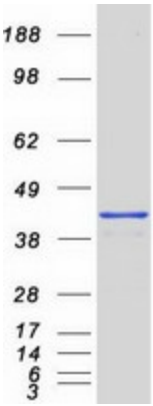
UniProt ID: Q92890, Q541A5

Cytogenetics: 22q11.21

Summary: The protein encoded by this gene forms a complex with two other proteins, nuclear protein localization-4 and valosin-containing protein, and this complex is necessary for the degradation of ubiquitinated proteins. In addition, this complex controls the disassembly of the mitotic spindle and the formation of a closed nuclear envelope after mitosis. Mutations in this gene have been associated with Catch 22 syndrome as well as cardiac and craniofacial defects. Alternative splicing results in multiple transcript variants encoding different isoforms. A related pseudogene has been identified on chromosome 18. [provided by RefSeq, Jun 2009]

Product images:



Coomassie blue staining of purified UFD1 protein (Cat# [TP302989]). The protein was produced from HEK293T cells transfected with UFD1 cDNA clone (Cat# [RC202989]) using MegaTran 2.0 (Cat# [TT210002]).