

Product datasheet for PH305403

DDI1 (NM_001001711) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DDI1 MS Standard C13 and N15-labeled recombinant protein (NP_001001711)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205403
Predicted MW:	44.1 kDa
Protein Sequence:	>RC205403 protein sequence Red =Cloning site Green =Tags(s)

MLITVYCVRRDLSEVTFSLQVSPDFELRNFKVLCEASRVPEEIQI IHMERLLIEDHCSLGSYGLKDGD
 IVVLLQKDNVGPAPGRAPNQPRVDFSGIAVPGTSSSRPQHGGQQQRTPAQAQRSGQLASGEKVAGLQGL
 GSPALIRSMLLSNPHDL SLLKERNPPLAEALLSGSLETFSQVLMQQREKALREQERLRLYTADPLDREA
 QAKIEEEIRQQNIEENMNI AIEEAPESFGQVTMLYINCKVNGHPLKAFVDSGAQMTIMSQACAERCNIMR
 LVDRRWAGVAKGVGTQRIIGRVHLAQIQIEGDFLQCSFSILEDQPM DMLLGLDMLRRHQC SIDLKKNVLV
 IGTGTGTQTYFLPEGELPLCSRMVSGQDESSDKEITHSVMDSGRKEH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

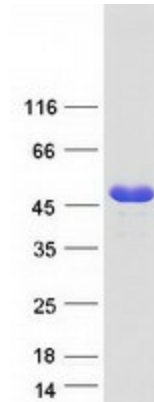
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	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_001001711</u>
RefSeq Size:	2615
RefSeq ORF:	1188
Locus ID:	414301
UniProt ID:	<u>Q8WTU0</u>


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Cytogenetics: 11q22.3

Summary: Probable aspartic protease (Probable). Seems to act as a proteasomal shuttle which links the proteasome and replication fork proteins like RTF2 (Probable). Required, with DDI2, for cellular survival following replication stress. Together or redudantly with DDI2, removes RTF2 from stalled forks to allow cell cycle progression after replication stress and maintains genome integrity (PubMed:29290612).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified DDI1 protein (Cat# [TP305403]). The protein was produced from HEK293T cells transfected with DDI1 cDNA clone (Cat# [RC205403]) using MegaTran 2.0 (Cat# [TT210002]).