

## Product datasheet for PH322718

### MAD1 (MAD1L1) (NM\_001013836) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	MAD1L1 MS Standard C13 and N15-labeled recombinant protein (NP_001013858)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222718
Predicted MW:	83.1 kDa
Protein Sequence:	>RC222718 protein sequence Red=Cloning site Green=Tags(s)

MEDLGENTMVLSTLRSLNFIISQRVEGGSLDISTSAPGSLQMYYQSMQLEERAEQIRSKSHLIQVERE  
KMQMELSHKRARVELERAASTSARNYEREVDNRQELLTRIRQLQEREAGAEKMQEQLERNRQCQNDA  
ASKRLEKEDSLAQAGETINALKGRISELQWSVMDQEMRVKRLSEKQELQEQLDLQHKKCQEANQKIQE  
LQASQEARADHEQQIKDLEQKLSLQEQDAIVKNMKSELVRLPRLERELKQLREESAHLREMRNGLLQ  
EELGLQRKLRQEKMQETLVGLELENERLLAKLQSWERLDQTMGLSIRTPEDLSRFVVELQQRELALKD  
KNSAVTSSARGLEKARQQLEELRQVSGQLLEERKKRETHEALARRLQKRVLLLTKERDGMRAILGSYDS  
ELTPAEYSPQLTRRMREAEDMVQKVHSHSAEMEAQLSQALEELGGQKQRADMLEMELKMLKSQSSSAEQS  
FLFSREEADTLRLKVEELEGGERSRLEEEKRMLEAQLERRALQGDYDQSRKVLHMSLNPTSVARQLRED  
HSQLQAECERLRGLLRAMERGGTVPADLEAAAASLPSSKEVAELKKQVESAEKLNQRLKEVFQTKIQEFR  
KACYTLTGYQIDITTENQYRLTSLYAEHPGDCLIFKATSPSGSKMQLLETFESHTVGELEIEVHLRRQDSI  
PAFLSSLTLELFSRQTVA

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:	<a href="#">NP_001013858</a>



[View online »](#)

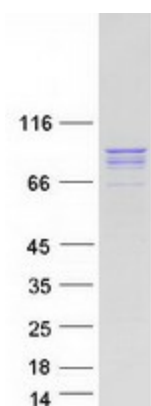
RefSeq Size:	2717
RefSeq ORF:	2154
Synonyms:	MAD1; PIG9; TP53I9; TXBP181
Locus ID:	8379
UniProt ID:	<a href="#">Q9Y6D9</a>
Cytogenetics:	7p22.3

**Summary:** MAD1L1 is a component of the mitotic spindle-assembly checkpoint that prevents the onset of anaphase until all chromosome are properly aligned at the metaphase plate. MAD1L1 functions as a homodimer and interacts with MAD2L1. MAD1L1 may play a role in cell cycle control and tumor suppression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]

**Protein Families:** Druggable Genome

**Protein Pathways:** Cell cycle

### Product images:



Coomassie blue staining of purified MAD1L1 protein (Cat# [TP322718]). The protein was produced from HEK293T cells transfected with MAD1L1 cDNA clone (Cat# [RC222718]) using MegaTran 2.0 (Cat# [TT210002]).