

## Product datasheet for PH300158

### PIH1D1 (NM\_017916) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PIH1D1 MS Standard C13 and N15-labeled recombinant protein (NP_060386)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200158
Predicted MW:	32.4 kDa
Protein Sequence:	>RC200158 protein sequence Red=Cloning site Green=Tags(s)

MANPKLLGLELSEAEIAGDSARFEELLQASKELQQAQTRPESTQIQPQPGFCIKTNSSEGKVFINIC  
HSPSIPPPADVTEEEELLQMLEEDQAGFRIPMSLGEPHAELDAKGQGCTAYDVAVNSDFYRRMQNSDFLRE  
LVITIAAREGLEDKYNLQLNPEWRMMKNRPFMGSISQQNIRSEQRPRIQELGDLYTPAPGRAESGPEKPHL  
NLWLEAPDLLLAEIDLPLKLDGALGLSLEIGENRLVMGGPQQLYHLDAYIPLQINSHESKAAAFHRKRKQLM  
VAMPLLLVPS

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_060386</a>
RefSeq Size:	1256
RefSeq ORF:	870
Synonyms:	MOT48; NOP17; Pih1
Locus ID:	55011



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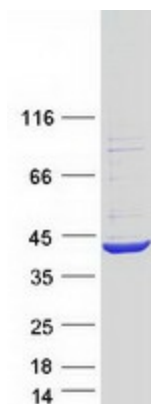
UniProt ID: [Q9NWS0](#)

Cytogenetics: 19q13.33

**Summary:** Involved in the assembly of C/D box small nucleolar ribonucleoprotein (snoRNP) particles (PubMed:17636026). Recruits the SWI/SNF complex to the core promoter of rRNA genes and enhances pre-rRNA transcription (PubMed:22368283, PubMed:24036451). Mediates interaction of TELO2 with the R2TP complex which is necessary for the stability of MTOR and SMG1 (PubMed:20864032). Positively regulates the assembly and activity of the mTORC1 complex (PubMed:24036451).[UniProtKB/Swiss-Prot Function]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PIH1D1 protein (Cat# [TP300158]). The protein was produced from HEK293T cells transfected with PIH1D1 cDNA clone (Cat# [RC200158]) using MegaTran 2.0 (Cat# [TT210002]).