

Product datasheet for **TP300158**

PIH1D1 (NM_017916) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human PIH1 domain containing 1 (PIH1D1), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC200158 protein sequence
Red=Cloning site **Green**=Tags(s)

MANPKLLGLELSEAEIAGADSARFEELLQASKELQQAQTTRPESTQIQPQPGFCIKTNSSEGKVFINIC
HSPSIPPPADVTEELLQMLEEDQAGFRIPMSLGEPAELDAKGQCTAYDVAVNSDFYRRMQNSDFLRE
LVITAREGLEDKYNLQLNPEWRMMKNRPFMGSISQQNIRSEQRPRIQELGDLYTPAPGRAESGPEKPHL
NLWLEAPDLLLAEIDLPKLDGALGLSLEIGENRLVMGGPQQLYHLDAYIPLQINSHESKAAFHRKRKQLM
VAMPLLLVPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 32.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_060386](#)

Locus ID: 55011



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UniProt ID: [Q9NWS0](#)

RefSeq Size: 1256

Cytogenetics: 19q13.33

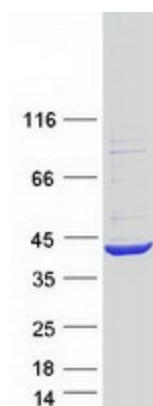
RefSeq ORF: 870

Synonyms: MOT48; NOP17; Pih1

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]).