

## Product datasheet for PH306717

### PDILT (NM\_174924) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PDILT MS Standard C13 and N15-labeled recombinant protein (NP_777584)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206717
Predicted MW:	66.7 kDa
Protein Sequence:	>RC206717 protein sequence Red=Cloning site Green=Tags(s)

MDLLWMPLLLVAACVSAVHSSPEVNAGVSSIHITKPVHILEERSLLVLTAPAGLTQMLNQTRFLMVLFHNP  
SSKQSRNLAEELGKAVEIMGKGNIGFGKVDITIEKELQQEFGITKAPELKLFEGNRSEPI SCKGVVE  
SAALVVWLRRQISQKAFLFNSSEQVAEFVISRPLVIVGFFQDLEEEVAELFYDVIKDFPELTFGVITIGN  
VIGRFHVTLDVSVLFKKGKIVNRQKLINDSTNKQELNRVIKQHLTDFVIEYNTENKDLISELHIMSHMLL  
FVSKSSESYGII IQHYKLASKEFQNKILFILVDADEPRNGRVFKYFRVTEVDIPSQVILNLSDDARYKMP  
SDDITYESLKKFGRSFLSKNATKHQSSEEPKYWDQGLVKQLVGKNFNVVVDKEKDVFMFYAPWSKCC  
KMLFPLLEELGRKYQNHSTIIIAKIDVTANDIQLMYLDRYPFFRLFPSGSQQAVLYKGEHTLKGFSDFL  
SHIKTKIEDEDELLSVEQNEVIEEEVLAEKEVPMRKGLEPQQSPELENMTKYVSKLEEPAGKKKTSEE  
VVVVVAKPKGPPVQKKPKVKEEL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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_777584</a>
RefSeq Size:	2195
RefSeq ORF:	1752



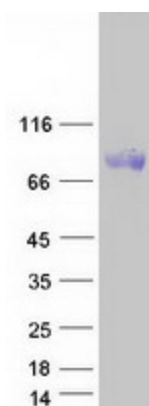
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Synonyms: PDIA7  
Locus ID: 204474  
UniProt ID: [Q8N807](#)  
Cytogenetics: 16p12.3

**Summary:** This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, two thioredoxin (TRX) domains with non-classical Ser-Lys-Gln-Ser and Ser-Lys-Lys-Cys motifs, respectively, two TRX-like domains, and a C-terminal ER-retention sequence. The protein lacks oxidoreductase activity in vitro and probably functions as a chaperone. This gene's expression appears to be limited to the testis. [provided by RefSeq, Dec 2016]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified PDILT protein (Cat# [TP306717]). The protein was produced from HEK293T cells transfected with PDILT cDNA clone (Cat# [RC206717]) using MegaTran 2.0 (Cat# [TT210002]).