

Recombinant Human PDILT Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDILT-932H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDILT MS Standard C13 and N15-labeled recombinant protein (NP_777584) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	66.7 kDa
AA Sequence	MDLLWMPLLLVAACVSAVHSSPEVNAGVSSIHITKPVHILEERSLLVLTPAGLTQMLN QTRFLMVLFHNPSSKQSRNLAEELGKAVEIMGKGKNGIGFGKVDITIEKELQQEFGIT KAPELKLFFEGNRSEPISCKGVVESAALVWLRQISQKAFLFNSSEQVAEFVISRPL VIVGFFQDLEEEVAELFYDVIKDFPELTFGVITIGNVIGRFHVTLDVSVLVFKKGKIVNRQ KLINDSTNKQELNRVIKQHLTDFVIEYNTENKDLISELHIMSHMLLFVSKSSESYGIIIQH YKLASKEFQNKILFILVDADEPRNGRVFKYFRVTEVDIPSVQILNLSSDARYKMPSDDI

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TYESLKKFGRSFLSKNATKHQSSEEIPKYWDQGLVKQLVGKNFNVVFDKEKDVFV
 MFYAPWSKKCKMLFPLLEELGRKYQNHSTIIIAKIDVTANDIQLMYLD RYPFFRLFPSG
 SQQAVLYKGEHTLKGFSDFLESHIKTKIEDEDELLSVEQNEVIEEEVLAAEEKEVPMMR
 KGLPEQQSPELENMTKYVSKLEEPAGKKKTSEEVVVVAKPKGPPVQKKKPKVKKEE
 LTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PDILT protein disulfide isomerase like, testis expressed [Homo sapiens (human)]

Official Symbol PDILT

Synonyms PDILT; protein disulfide isomerase-like, testis expressed; protein disulfide-isomerase-like protein of the testis; PDIA7; protein disulfide isomerase family A; member 7; protein disulfide isomerase like protein of the testis; protein disulfide isomerase family A, member 7; protein disulfide isomerase-like protein of the testis;

Gene ID 204474

mRNA Refseq NM_174924

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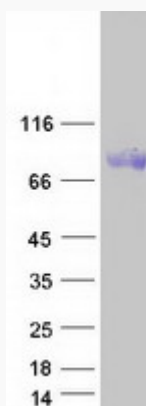
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Protein Refseq NP_777584

MIM 618588

UniProt ID Q8N807

SDS-PAGE



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