

Recombinant Human PDILT, His-tagged

Cat. No. PDILT-171H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Protein Disulfide-Isomerase-Like Protein of the Testis/PDILT produced by transfected human cells is a secreted protein with sequence (Ser21-Leu584) of Human PDILT fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	21-584 a.a.
Description	Protein Disulfide-Isomerase-Like Protein of the Testis (PDILT) is a protein that belongs to the protein disulfide isomerase family. Human PDILT is synthesized as a 584 amino acid precursor that contains an 20 amino acid signal sequence and a 564 amino acid mature chain. PDILT contains 1 thioredoxin domain lacks the conserved redox-active Cys at position 417 which is replaced by a Ser residue, suggesting that it lacks thioredoxin activity. PDILT is an enzyme in the endoplasmic reticulum in eukaryotes. It is not a disulfide-linked homodimer. The PDILT protein can interacts with ERO1L and CLGN. PDILT probable redox-inactive chaperone involved in spermatogenesis.
Form	Supplied as a 0.2 µM filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0
AA Sequence	SPEVNAGVSSIHITKPVHILEERSLLVLTPAGLTQMLNQTRFLMVLFHNPSSKQSRNL AEELGKA VEIMGKGKNGIGFGKVDITIEKELQQEFGITKAPELKLFFEGNRSEPI SCK

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GVVESAALVWLRQ QISQKAFLFNSSEQVAEFVISRPLVIVGFFQDLEEEVAELFYD
 VIKDFPELTFGVITIGNVIGRF HVTLDISVLVFKKGKIVNRQKLINDSTNKQELNRVIKQ
 HLTDFVIEYNTENKDLISELHIMSHMLL FVSKSSESYGIIIQHYKLASKEFQNKILFILVD
 ADEPRNGRVFKYFRVTEVDIPSVQILNLSSDA RYKMPSDDITYESLKKFGRSFLSKN
 ATKHQSSEEIPKYWDQGLVKQLVGKNFNVVVFDKEKDVFV MFYAPWSKKCKMLFP
 LLEELGRKYQNHSTIIIAKIDVTANDIQLMYLDRYPFFRLFPSGSQQAVL YKGEHTLK
 GFSDFLESHIKTKIEDEDELLSVEQNEVIEEEVLAAEEKEVPMMRKGLPEQQSPELEN
 MTKYVSKLEEPAGKKKTSEEVVVVAKPKGPPVQKKKPKVKEELVDHHHHHH

Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Storage	Store at Please minimize freeze-thaw cycles.

GENE INFORMATION

Gene Name	PDILT protein disulfide isomerase-like, testis expressed [Homo sapiens]
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
Protein Refseq	NP_777584

UniProt ID	Q8N807
Chromosome Location	16p12.3
Function	isomerase activity;

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