

## Recombinant Human PDILT Protein

**Cat. No.** PDILT-360H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PDILT(Ser21-Leu584) was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 21-584 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 65.5 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | < 0.1 EU per µg protein as determined by LAL test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purity</b>           | >95% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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**Concentration** >50 ug/mL as determined by microplate BCA method

## 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

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