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Datasheet for ABIN1097311

PDILT Protein (AA 21-584) (His tag)

Overview

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| Quantity: | 50 µg |
| Target: | PDILT |
| Protein Characteristics: | AA 21-584 |
| Origin: | Human |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This PDILT protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human Protein Disulfide-Isomerase-Like Protein of the Testis/PDILT (C-6His) |
| Sequence: | <p>SPEVNAGVSS IHITKPVHIL EERSLLVLTP AGLTQMLNQT RFLMVLFHNP SSKQSRNLAE</p> <p>ELGKAVEIMG KGKNGIGFGK VDITIEKELQ QEFGITKAPE LKLFFEGNRS EPISCKGVVE</p> <p>SAALVWLRR QISQKAFLN SSEQVAEFVI SRPLVIVGFF QDLEEEVAEL FYDVIKDFPE</p> <p>LTFGVITIGN VIGRFHVTLD SVLVFKKGKI VNRQKLINDS TNKQELNRVI KQHLLTDFVIE</p> <p>YNTENKDLIS ELHIMSHMLL FVSKSSESYG IIIQHYKLAS KEFQNKILFI LVDADPRNG</p> <p>RVFKYFRVTE VDIPSVQILN LSSDARYKMP SDDITYESLK KFGRSFLSKN ATKHQSSSEI</p> <p>PKYWDQGLVK QLVGKNFNVV VFDKEKDV FV MFYAPWSKKC KMLFPLLEEL GRKYQNHSTI</p> <p>IIAKIDVTAN DIQLMYLDRI PFFRLFPSGS QQAVLYKGEH TLKGFSDFL SHIKTKIEDE</p> <p>DELLSVEQNE VIEEEVLAE KEVPMMRKGL PEQQSPELEN MTKYVSKLEE PAGKKKTSEE</p> <p>VVVVAKPKG PPVQKKKPKV KEELVDHHHH HH</p> |
| Characteristics: | 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 |

Product Details

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| | fused with a polyhistidine tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Sterility: | 0.2 µm filtered |
| Endotoxin Level: | Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test |

Target Details

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| Target: | PDILT |
| Alternative Name: | pdilt (PDILT Products) |
| Sub Type: | Fusionprotein |
| Background: | <p>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.</p> <p>Alternative Names: Protein Disulfide-Isomerase-Like Protein of the Testis, PDILT</p> |
| Molecular Weight: | 65.54 kDa |
| UniProt: | Q8N807 |
| Pathways: | Cell RedoxHomeostasis |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
| Reconstitution: | <p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p> |
| Buffer: | Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 8.0. |

Handling

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| Handling Advice: | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. |
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| Storage: | -80 °C |
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| Storage Comment: | Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. |
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| Expiry Date: | 6 months |
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