



Recombinant Protein Technical Manual

Recombinant Human PDILT Protein (His Tag)

RPES3147

Product Data:

Product SKU: RPES3147

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q8N807

Protein Information:

Molecular Mass: 65.5 kDa

AP Molecular Mass: 92 kDa

Tag: C-6His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

Formulation: Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 150mM NaCl, 10% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Protein Disulfide-Isomerase-Like Protein of the Testis; PDILT

Immunogen Information:

Sequence: Ser21-Leu584

Background:

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 interact with ERO1L and CLGN. PDILT probable redox-inactive chaperone involved in spermatogenesis.