

PDILT Protein, Human, Recombinant (His)

General Information

Synonyms:	PDILT;Protein Disulfide-Isomerase-Like Protein of the Testis
Protein Construction:	Ser21-Leu584
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q8N807
Molecular Weight:	92 KDa (reducing condition)
AA Sequence:	Ser21-Leu584

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 90% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 10% Glycerol, pH 8.0.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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