



# Recombinant Human Twinkle mtDNA helicase (TWNK)

<b>Product Code</b>	CSB-MP842754HU
<b>Abbreviation</b>	PEO1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q96RR1
<b>Storage Buffer</b>	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
<b>Product Type</b>	Recombinant Proteins
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 85% as determined by SDS-PAGE.
<b>Sequence</b>	APGPPRRRYRKETLQALDMPVLPVTATEIRQYLRGHGIPFQDGHSCLRALSPF AESSQLKGQGTGVTTTSFSLFIDKTTGHFLCMTSLAEGSWEDFQASVEGRGDGA REGFLLSKAPEFEDSEEVRRRIWNRAIPLWELPDQEEVQLADTMFGLTKVTDDT LKRFSVRYLRPARSLVFPWFSPGGSLRGLKLEAKCQGDGVSYEETTIPRPS AYHNLFGPLISRRDAEVVLTRELDLALNQSTGLPTLTLPRGTTCLPPALLPY LEQFRRIVFWLGDDLRSWEAAKLFARKLNPKRCFLVRPGDQQPRPLEALNGG FNLSRILRTALPAWHKSIVSFRQLREEVLGELSNVEQAAGLRWSRFPDLNRILK GHRKGELTVFTGPTGSGKTTFISEYALDLC SQGVNTLWGSFEISNVRLARVML TQFAEGRLEDQLDKYDHWADRFDLPLYFMTFHGQQSIRTVIDTMQHAVYVY DICHVIIDNLQFMMGHEQLSTDRIAAQDYIIGVFRKFATDNNCHVTLVIHPRKED DDKELQTASIFGSAKASQEADNVLILQDRKLVTPGPKRYLQVSKNRFDDGVDGV FPLEFNKNSLTF SIPPKNKARLKKIKDDTGPVAKKPSSGKKGATTQNSEICSGQ APTPDQPDTSKRSK
<b>Source</b>	Mammalian cell
<b>Target Names</b>	TWNK
<b>Protein Names</b>	Recommended name: Twinkle protein, mitochondrial EC= 3.6.4.12 Alternative name(s): Progressive external ophthalmoplegia 1 protein T7 gp4-like protein with intramitochondrial nucleoid localization T7-like mitochondrial DNA helicase
<b>Expression Region</b>	32-684aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final



concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

---

### Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.