



Recombinant Human Twinkle mtDNA helicase (TWNK)

Product Code	CSB-EP842754HU
Abbreviation	PEO1
Storage	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.
Uniprot No.	Q96RR1
Storage Buffer	Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	≥ 85% as determined by SDS-PAGE.
Sequence	APGPPRRRYRKETLQALDMPVLPVTATEIRQYLRGHGIPFQDGHSCLRALSPF AESSQLKGQGTGVTTTSFSLFIDKTTGHFLCMTSLAEGSWEDFQASVEGRGDGA REGFLLSKAPEFEDSEEVRRRIWNRAIPLWELPDQEEVQLADTMFGLTKVTD LKRFSVRYLRPARSLVFPWFSPGGSLRGLKLEAKCQGDGVSYEETIIPRPS AYHNLFGPLISRDAEVLTSRELDLALNQSTGLPTLTLPRGTTCLPPALLPY LEQFRRIVFWLGDDLRSWEAAKLFARKLNPKRCFLVRPGDQQPRPLEALNGG FNLSRILRTALPAWHKSIVSFRQLREEVLGELSNVEQAAGLRWSRFPDLNRILK GHRKGELTVFTGPTGSGKTTFISEYALDLC SQGVNTLWGSFEISNVRLARVML TQFAEGRLEDQLDKYDHWADRFDLPLYFMTFHGQQSIRTVIDTMQHAVYVY DICHVIIDNLQFMMGHEQLSTDRIAAQDYIIGVFRKFATDNNCHVTLVIIHPRKED DDKELQTASIFGSAKASQEADNVLILQDRKLVTPGPKRYLQVSKNRFDGDVGV FPLEFNKNSLTF SIPPKNKARLKKIKDDTGPVAKKPSSGKKGATTQNSEICSGQ APTPDQPDTSKRSK
Source	E.coli
Target Names	TWNK
Protein Names	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
Expression Region	32-684aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Reconstitution	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.