



Recombinant Human Twinkle mtDNA helicase (TWNK)

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| Product Code | CSB-EP842754HU-B |
| 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 AYHNLFGPLISRDAEVVLT SRELDLALNQSTGLPTLTLPRGTTCLPPALLPY LEQFRRIVFWLGDDLRSWEAAKLFARKLNPKRCFLVRPGDQQPRPLEALNGG FNLSRILRTALPAWHKSIVSFRQLREEVLGELSNVEQAAGLRWSRFPDLNRILK GHRKGELTVFTGPTGSGKTTFISEYALDLC SQGVNTLWGSFEISNVRLARVML TQFAEGRLEDQLDKYDHWADR FEDLPLYFMTFHGQQSIRTVIDTMQHAVYVY 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

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