

Product datasheet for TP511559

Timeless (BC058641) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse timeless homolog (Drosophila) (cDNA clone MGC:73470 IMAGE:6837105), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR211559 protein sequence Red =Cloning site Green =Tags(s) |

MDLYMMNCELLATCSALGYLEGGTYHKEPDCLESVKDLIRYLHEDETRDVRQQLGAAQILQSDLLPILT
QHRQDKPLFDAVIRLMVNLTQPALLCFGSVPKSSVRHHFLQVLTLYQAYKEAFASEKAFGLVSETLYEL
LQLGWEDRQEEDNLLIERILLVRNHLHVPANLEQEKSIDDDASIHDRLLWAIHLSGMDDLLLFLSSSSA
EQQWSLHVLEIISLMFRDQTPEQLAGVGQGRLAQERSTDVAELEVELRQREMAEKRRARALQRGNRHSRFGG
SYIVQGLKSIGEKDVVFHKGHLHNLQNYSSDLGKQPRRVPKRRQAAQELSVHRRSVLNVRLFLRDFCSEFL
ENCYNPLMGAVKDHLLRERAQQHDETYMWMAMAFFMAFNRAATFRPGLVSETLSIRTFHFVEQNLNYYE
MMLTDRKEAASWARRMHLALKAYQELLATVNEMDMCPDEAVRESSRIKNNIFYMMEYRELFLALFRKFD
ERYHPRSFLRDLVETTHLFLKMLERFCRSRGNLMVQNKRRKKKKKKVQDQGVAFSQSPGELEAMWPALA
EQLLQCAQDPELSVDPVVPFDAASEVPVEEQRVEAMVRIQDCLTAGQAPQALALLRSAREVWPEGNAFGS
PVISPGEEMQLLKQILSTPLPRQQEPEEGDAEEEEEEEEELQVVQVSEKEFNFLYELKRFASSTIVRA
YVLLRSYRQNSAHTNHCIKMLHRLAHGLGMEALLFQLSLFCLFNRLSDPAAAAYKELVTFAKYIIGK
FFALAAVNQKAFVELLFWKNTAVVREMTQGYGSLDSGSSSHRAPLWSPEEEAQLQELYLAHKDVEGQDVV
ETILAHLKVVPRTKQVIHHLVRMGLADSVKEFQKRKGTQIVLWTEDELELQRLFEEFRDSDDDLGLQIM
KNITAKRSRARVVDKLLALGLVSERRQLYKRRKRLAPSCMNGEKSPRDPWQEDPEEPEPQVPGEQGPS
EEHRTEALRALLSARKRKAGLGPTEEEATGEEEWNSAPKKRQLLDSDEEEDDEGRRQAVSGTPRVHRKKR
FQIEDEDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|---|
| Tag: | C-MYC/DDK |
| Predicted MW: | 122 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |



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| | |
|----------------------|---|
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Locus ID: | 21853 |
| UniProt ID: | Q9R1X4 |
| RefSeq Size: | 4002 |
| Cytogenetics: | 10 76.49 cM |
| RefSeq ORF: | 3174 |
| Synonyms: | tim, Debt69 |
| Summary: | The protein encoded by this gene is highly conserved and is involved in cell survival after damage or stress, increase in DNA polymerase epsilon activity, maintenance of telomere length, and epithelial cell morphogenesis. The encoded protein also plays a role in the circadian rhythm autoregulatory loop, interacting with the PERIOD genes (PER1, PER2, and PER3) and others to downregulate activation of PER1 by CLOCK/ARNTL. Changes in this gene or its expression may promote prostate cancer, lung cancer, breast cancer, and mental disorders. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2014] |