

## Product datasheet for TP308527

### TIMELESS (NM\_003920) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human timeless homolog (Drosophila) (TIMELESS), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC208527 protein sequence  
Red=Cloning site Green=Tags(s)

MDLHMMNCELLATCSALGYLEGDTYHKEPDCLESVKDLIRYL RHEDETRDVRQQLGAAQILQSDLLPILT  
 QHHQDKPLFDAVIRLMVNLTQPALLCFGNLPKEPSFRHHFLQVLTYLQAYKEAFASEKAFGVLSETLYEL  
 LQLGWEERQEEDNLLIERILLVLRNHLVHPADLDQEKIDDDASAHDQLLWAIHLSGLDDLLFLASSA  
 EEQWSLHVLEIVSLMFRDQNPEQLAGVGQGRLAQERSADFAELEVLRQREMAEKTRALQRGNRHSRFGG  
 SYIVQGLKSIGERDLIFHKGLHNLRNYSDDLKQPKKVPKRRQAARELSIQRRSALNVRLFLRDFCSEFL  
 ENCYNRLMGSVKDHLREKAQQHDETYMMWALAFFMAFNRAASFRPGLVSETLSVRTFFHFIEQNLNYYE  
 MMLTDRKEAASWARRMHLALKAYQELLATVNEMDISPDEAVRESSRIKNNIFYVMEYRELFLALFRKFD  
 ERCQPRSFRLDLVETTHLFLKMLERFCRSRGNLVVQNKQKKRRKKKKVLDQAIVSGNVPSSPEEVEAVW  
 PALAEQLQCCAQNSELSMDSVVPFDAASEVPVEEQRAEAMVRIQDCLLAGQAPQALTLLRSAREVWPEGD  
 VFGSQDISPEEEIQLLKQILSAPLPRQQGPEERGAEEEEEEEEELQVQVSEKEFNFLDYLRKRFAC  
 STVVRAYVLLRSYQQNSAHTNHCIVKMLHRLAHDLMKMEALLFQLSVFCLFNRLSDPAAGAYKELVTFA  
 KYILGKFFALAAVNQKAFVELLFWKNTAVVREMTEGYGSLDDRSSRRAPTWSPEEEAHLRELYLANKDV  
 EGQDVEAILAHLNTPRTRKQIIHHLVQMGLADSVKDFQRKGTIHLWTGDQELELQRLFEEFRDSDDV  
 LGHIMKNITAKRSRARIKLLALGLVAERRELYKKRQKCLASSILPNGAESLKDFCQEDLEEEENLPEE  
 DSEEEEGGSEAEQVQGSVLVSNENLGQSLHQEGFSILLWLQNCLIRAADDREEDGCSQAVPLVPLTEE  
 NEEAMENEQFQQLLRKLGVRPPASGQETFWRIPAKLSPTQLRRAAASLSQPEEEQKLQPELQPKVPGEQG  
 SDEEHCKEHRAQALRALLAHKKKAGLASPEEEDAVGKEPLKAAPKKRQLLDSDEEQEEDGRNRAPELG  
 APGIQKKKRYQIEDDED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

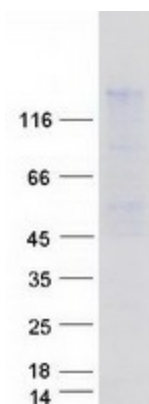
**Tag:** C-Myc/DDK  
**Predicted MW:** 138.5 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining



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|                          |  |
|--------------------------|--|
| <b>Buffer:</b>           | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| <b>Preparation:</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| <b>Note:</b>             | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| <b>Storage:</b>          | Store at -80°C.  |
| <b>Stability:</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| <b>RefSeq:</b>           | <a href="#">NP_003911</a>  |
| <b>Locus ID:</b>         | 8914   |
| <b>UniProt ID:</b>       | <a href="#">Q9UNS1</a>   |
| <b>RefSeq Size:</b>      | 5154   |
| <b>Cytogenetics:</b>     | 12q13.3  |
| <b>RefSeq ORF:</b>       | 3624   |
| <b>Synonyms:</b>         | hTIM; TIM; TIM1  |
| <b>Summary:</b>          | 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. [provided by RefSeq, Feb 2014] |
| <b>Protein Families:</b> | Transcription Factors  |

### Product images:



Coomassie blue staining of purified TIMELESS protein (Cat# TP308527). The protein was produced from HEK293T cells transfected with TIMELESS cDNA clone (Cat# [RC208527]) using MegaTran 2.0 (Cat# [TT210002]).