

## Product datasheet for PH308527

### TIMELESS (NM\_003920) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TIMELESS MS Standard C13 and N15-labeled recombinant protein (NP_003911)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC208527
Predicted MW:	138.7 kDa
Protein Sequence:	>RC208527 protein sequence Red=Cloning site Green=Tags(s)

MDLHMMNCELLATCSALGYLEGDTYHKEPDCLESVKDLIRYL RHEDETRDVRQQLGAAQILQSDLLPILT  
QHHQDKPLFDAVIRLMVNLTQPALLCFGNLPKEPSFRHHFLQVLTYLQAYKEAFASEKAFGVLSETLYEL  
LQLGWEERQEEDNLLIERILLVNRILHVPADLDQEKIDDDASAHQQLLWAIHLSGLDDLLFLASSSA  
EEQWSLHVLEIVSLMFRDQNPQLAGVGGRLAQERSADFAEVLVRQREMAEKKTRALQRGNRHSRFGG  
SYIVQGLKSI GERDLIFHKGLHNL RNYSSDLGKQPKKVPKRRQAARELSIQRRSALNVRLFDRFCSEFL  
ENCYNRLMGSVKDHLREKAQQHDETYMWALAFFMAFNRAASFRPGLVSETLSVRTFFHIEQNL TNYE  
MMLTDRKEAASWARRMHLAL KAYQELLATVNEMDISPDEAVRESSRIKNNIFYVMEYRELFLALFRKFD  
ERCQPRSFRLDLVETTHLFLKMLERFCRSRGNL VVQNKQKRRRKKKKVLDQAI VSGNVPSSPEEVEAVW  
PALAEQLQCCAQNSELSMDSVVPFDDAASEVPVEEQRAEAMVRIQDCLLAGQAPQALTLLRSAREVWPEGD  
VFGSQDISPEEEIQLLKQILSAPLPRQQGPEERGAEEEEEEEEEEELQVVQVSEKEFNFLDYLRKRAF  
STVVRAVYVLLRSYQNSAHTNHCI V KMLHRLAHDLMKMEALLFQLSVFCLFNRLSDPAAGAYKELVTF  
KYILGKFFALAAVNQAFVELLFWKNTAVVREMTEGYGSLDDRSSRRAPTWSPEEEAHLRELYLANKDV  
EGQDVVEAILAHLNTPRTRKQI IHHLVQMGLADSVKDFQRKGTHIVLWTGDQELQLRLEEFDRSDDV  
LGHIMKNITAKRSRARI VDKLLALGLVAERREL YKKRQKKLASSILPNGAESLKDFCQEDLEEEENLPEE  
DSEEEEEGGSEAEVQVQSLVLSNENLQSLHQEGFSILLLWLQNCLIRAADDREEDGCSQAVPLVPLTEE  
NEEAMENEQFQQLLRKLGVRPPASGQETFWRIPAKLSPTQLRRAAASLSQPEEQKLQPELQPKVPGEQG  
SDEEHCKEHRALRALLLAHKKKAGLASPEEEDAVGKEPLKAAPKRRQLLDSDEEQEEDGRNRAPELG  
APGIQKKKRYQIEDDED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

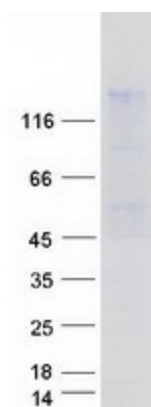
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine



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Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_003911</a>
RefSeq Size:	5154
RefSeq ORF:	3624
Synonyms:	hTIM; TIM; TIM1
Locus ID:	8914
UniProt ID:	<a href="#">Q9UNS1</a>
Cytogenetics:	12q13.3
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. [provided by RefSeq, Feb 2014]
Protein Families:	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]).