

Product datasheet for **RG201502**

TIPIN (NM_017858) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TIPIN (NM_017858) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TIPIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201502 representing NM_017858 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTAGAACCACAGGAGAATGGCGTGATTGACCTACCAGATTATGAGCATGTAGAAGATGAACTTTTC
CTCCTTTCCACCTCCAGCCTCTCCAGAGACAAGATGGTGAAGGAAGTGAAGCTGATGAAGAGTCAGG
AAATGGAGCACCTGTTCTGTACCTCCAAGAGAACAGTTAAAAGAAATATACCCAAGCTGGATGCTCAG
AGATTAATTTTCAGAGAGAGGACTTCCAGCCTTAAGGCATGTATTTGATAAGGCAAAATTCAAAGGTAAG
GTCATGAGGCTGAAGACTTGAAGATGCTAATCAGACACATGGAGCACTGGGCACATAGGCTATTCCTTAA
ACTGCAGTTTGAGGATTTTATTGACAGAGTTGAATACCTGGGAAGTAAAAGGAAGTTTCAGACCTGTTTA
AAACGAATTCGACTTGATCTCCCTATTTTACATGAAGATTTTGTAGCAATAATGATGAAGTTGCGGAGA
ATAATGAACATGATGTCACCTTCTACTGAATTAGATCCCTTTCTGACAACTTATCTGAAAGTGAGATGTT
TGCTTCTGAGTTAAGTAGAAGCCTAACAGAAGAGCAACAACAAGAAATTGAGAGAAATAACAACCTGGCC
TTGGAAAGAAGGCAGGCAAAGCTGCTGAGTAATAGTCAGACCCTAGGAAATGATATGTTAATGAATACAC
CCAGGGCACACACGGTTGAAGAGGTTAATACTGATGAGGATCAAAGGAGGAGTCAAATGGATTAACGA
AGACATTCTGGACAATCCATGTAATGATGCTATTGCCAATACTTTAAATGAAGAGGAAACACTGCTGGAC
CAGTCTTTTAAAATGTGCAACAGCAACTTGATGCTACATCCAGAAATATTACTGAAGCTAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201502 representing NM_017858
Red=Cloning site Green=Tags(s)

MLEPQENGVIDLPDYEHVEDETFFPPPPPASPERQDGEGETPDEESGNGAPVVPVPPKRTVKRNIPKLDQAQ
 RLISERGLPALRHVFDKAKFKGKGHEAEDLKMLIRHMEHWAHRLFPKLQFEDFIDRVEYLGSKKEVQTCL
 KRIRLDLPILHEDFVSNNDVAENNEHDVTSTELDPFLTNLSESEMFASELSRSLTEEQQRRIERNKQLA
 LERRQAKLLSNSQTLGNDMLMNTPRAHTVEEVNTDEDQKEESNGLNEDILDNPNCDIAIANTLNEEETLLD
 QSFKNVQQQLDATSRNITEAR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017858

ORF Size: 903 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_017858.2](#)

RefSeq Size: 1077 bp

RefSeq ORF: 906 bp

Locus ID: 54962

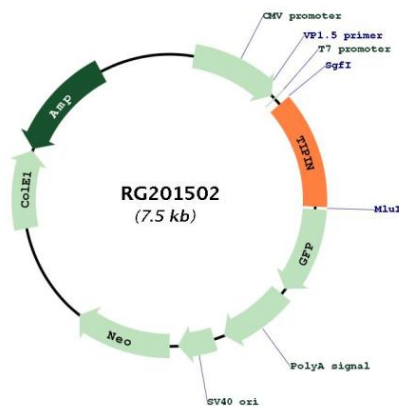
UniProt ID: [Q9BVW5](#)

Cytogenetics: 15q22.31

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene is part of the replisome complex, a group of proteins that support DNA replication. It binds TIM, which is involved in circadian rhythm regulation, and aids in protecting cells against DNA damage and stress. Two pseudogenes and two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG201502