

## Product datasheet for **RG230398**

### **PARP7 (TIPARP) (NM\_001184717) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PARP7 (TIPARP) (NM_001184717) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PARP7
Synonyms:	ARTD14; PARP7; pART14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG230398 representing NM\_001184717  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGAAATGGAAACCACCGAACCTGAGCCAGACTGTGTAGTGCAGCCTCCCTCTCTCTGATGACTTTT  
 CATGCCAAATGAGACTCTCTGAGAAGATCACTCCATTGAAGACTTGTTTTAAGAAAAAGGATCAGAAAAG  
 ATTGGAACTGGAACCTGAGGTCTTTGAGGCCAATATTAACACTCTTCTAGAATCTGGCTCACTTGAT  
 GGGGTTTTTAGATCTAGGAACCAGAGTACAGATGAGAACAGCTTACATGAACCTATGATGAAGAAAGCCA  
 TGGAAATCAATTCATCATGCCACCAGCAGAAAATAATATGTCTGTTCTGATTCTGATAGGACAAATGT  
 TGGGGACCAGATACCGGAAGCCCATCCTCCACTGAAGCTCCAGAACGAGTGGTTCCAATCCAAGATCAC  
 AGCTTTCCATCAGAAACCTCAGTGGGACGGTGGCAGATTCCACACCAGCTCACTCCAGACTGATCTTT  
 TGCACCCAGTTTCAAGTGTCTTCTACTAGTCTGACTGCTTAGACAAAGTCATAGATTATGTTCCAGG  
 CTTTTTCAAGAAAACAGTTTTACAATCCAATACATTCTGGACACCAGTGATAAGCTGAGTACTGAGCTC  
 TTTCCAGGACAAAAGTGAAGAGGCTTCCCTTGACCTCGTGTGGAGCTGGTGAACAGTTGCAAGTACCACA  
 CTCACCAAGAGAACGGAATTGAAATTTGCATGGACTTTCTGCAAGGCACTTGATTTATGGCAGGGATTG  
 TTTGAAGCACCACACTGTCTTGCCATATCATTGGCAGATCAAAAGGACAACACTACTCAAAAGTGGCAGAGT  
 GTATTCATGATTCTCAGGAGCACTTGGAAAGATTTTACTGTAACCCAGAAAATGATAGAATGAGAATGA  
 AGTATGGAGGACAAGAATTTTGGGCAGATTTGAATGCCATGAACGTGTATGAAACAACCTGAATTTGACCA  
 ACTACGAAGGCTGTCCACACCACCTCTAGCAATGTCAACTCTATTTACCACACAGTCTGGAAATTTCTC  
 TGTAGGGACCACCTTTGGATGGAGAGAGTATCCCGAGTCTGTCATTTCGATTGATTGAAGAAGCCAACCTC  
 GGGTCTGAAAGAGGTTTCGATTTATGATGTGGAATAACCACTACATCCTCCACAATTCATTCTTCAGGAG  
 AGAGATAAAAAGGAGACCCTCTCCGCTCCTGTTTTATACTGCTTCCATATTTACAGACACTTGGTGGG  
 GTTCCACACAAGCTCCTCCACCTCTTGAAGCAACTTCATCATCACAAATTTATCTGCCAGATGGGGTCA  
 CTTCCAGCAAATTTTACCCTGAAACTTGGGTTTATATGCATCCATCTCAGGACTTCATCCAAGTCCCTGT  
 TTCTGCAGAGGATAAAAGTTATCGGATCATTTACAATCTTTTTCATAAGACTGTGCCTGAGTTTAAATAC  
 AGAATTTTGCAGATATTGAGAGTCCAAAACAGTTTCTTTGGGAGAAATATAAAAGGAAAAAGGAATATA  
 TGAACAGGAAAATGTTTGGCCGTGACAGGATAATAAATGAGAGACATTTATTTTCATGGAACATCCCAGGA  
 TGTGGTAGATGGAATCTGCAAACACAACCTTGACCCTCGAGTCTGTGGAAGCATGCTACAATGTTTGG  
 CAAGGCAGTTATTTTCAAAGAAGGCAAGCTACTCTCAACTTTTCTAAGAAGTCTCCAAAGGAGTCC  
 ACTTCATGTTTCTGGCCAAAGTCTGACGGCAGATACACAATGGGCAGTCATGGCATGAGAAGGCCCCC  
 GCCAGTCAATCCTGGCAGTGTACCAGTACCTTTATGACTCTTGTGTGGATAATTTCTTTGAGCCTCAG  
 ATTTTTGTCATTTTAAATGATGACCAGAGTTACCTTATTTTGTATCCAATATGAAGAAGTCAGTAAACA  
 CTGTTTCCATT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:** >RG230398 representing NM\_001184717  
Red=Cloning site Green=Tags(s)

```
MEMETTEPEPDCVVQPPSPDDFSCQMLSEKITPLKTCFKKKDQKRLGTGTLRSLRPILNTLLESGLD
GVFRSRNQSTDENSLHEPMMKKAMEINSSCPAENMSVLIPDRTNVGDQIPEAHPSTEAPERVVP IQDH
SFPSETLSGTVADSTPAHFQTDLLHPVSDVPTSPDCLDKVIDYVPGIFQENSFTIQYILDTSKDLSTEL
FQDKSEEASLDL VFELVNQLQYHTHQENGIEICMDFLQGT CIYGRDCLKHHTVLPYHWQIKRTTTQKWQS
VFNDSQEHLERFYCNPENDRMRMKYGGQEFWADLNAMNVYETTEFDQLRRLSTPPSSNVNSIYHTVWKFF
CRDHFGWREYPESVIRLIEEANSRGLKEVRFMMWNNHYILHNSFFRREIKRRPLFRSCFILLPYLQTLGG
VPTQAPPPLEATSSSQIICPDGVT SANFY PETWVYMHPSQDFIQVPVSAEDKSYRIIYNLFHKTVPEFKY
RILQILRVQNQFLWEKYKRKKEYMNRKMFGRDRI INERHLFHGTSQDVVDGICKHNFDPVRCGKHATMFG
QGSYFAKKASYSHNF SKKSSKGVHFMFLAKVL TGRYTMGSHGMRRPPVNPVPGSVTSDLYDSCVDNFFEPQ
IFVIFNDDQSYPYFVIQYEEVSNVTSI
```

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001184717

**ORF Size:** 1971 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\\_001184717.1](#), [NP\\_001171646.1](#)

**RefSeq Size:** 4132 bp

**RefSeq ORF:** 1974 bp

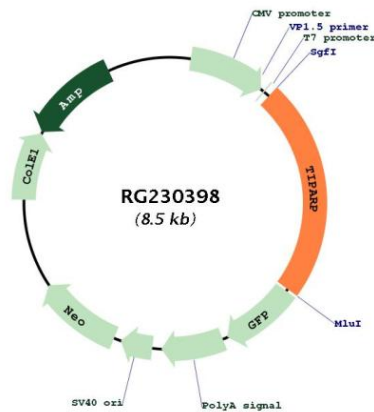
**Locus ID:** 25976

**UniProt ID:** [Q7Z3E1](#)

**Cytogenetics:** 3q25.31

**Gene Summary:** This gene encodes a member of the poly(ADP-ribose) polymerase superfamily. Studies of the mouse ortholog have shown that the encoded protein catalyzes histone poly(ADP-ribosylation) and may be involved in T-cell function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]

**Product images:**



Circular map for RG230398