

## Product datasheet for **MR209817**

### Tiparp (NM\_178892) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tiparp (NM_178892) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tiparp
Synonyms:	ARTD14; AW558171; PARP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

&gt;MR209817 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCCATGGAAGTGGAAACCACTGAACCTGAGCCAGACTGTGTAGTACAGCCTCCTTCTCCTTCTGATGACTTTT  
CATGCCAAATGAGAATTTCTGAGAAGATCTCTCCATTGAAAACGTGTTTTAAGAAAAACAGGAACAAAA  
AAGATTGGGAACCTGGAACCTGAGATCCTTGAGGCCAATATTAATACTTTGCTAGAATCTGGCTCACTT  
GATGGAGTTTTAGAGCTAGAGACAAAACAGAGATGAGAGCAGCTTACATGAACATATAGTGAAAAAAC  
CCCTGGAAATCAACCCATCGTGTCCACCAGCAGAAAACAGTATGCCTGTCTGATTCCTGATGGGACAAA  
TGTTGAGGGCCAATTACCAGAAGCGCATCCTTCTACAGATGCTCCAGAACAGGGGTTCCAATCCAAGAC  
CACAGTTTTCCACCAGAAACCATCAGTGGGACAGTGGCAGATTCTACAACAGGACACTTCCAACTGACC  
TTTTGCATCCTGTTTCAGGTGATGTTCTACAAGTCTGACTGCGTAGATAAAGTTATGGATTATGTACC  
AGGAGCTTTCCAAGACAATAGTTTTACAATCCAGTACATTTTGGATACCAGTGATAAGTTGAGTACTGAG  
CTCTTCCAAGACAAAAGTGGGAAGCTTCCCTGAGCTTGTGTTGAACTTGTAACCAGCTACAGTACC  
ATACTACCAAGAGAATGGAATTTGAAATTTGTATGGACTTTCTGCAAGGCACTTGCATTTATGGCAGGGA  
TTGTTTGAACATCACACCGTATTGCCCTATCATTGGCAGATCAAAGGACAACCACTCAGAAGTGGCAG  
AGTGTTCCTCAATGATTCTCAGGAGCACTTGGAAAGATTTATTGTAATCCAGAAAATGATAGAATGAGAA  
TGAAGTATGGAGGACAAGACTTTTGGGCAGATTTGAATGCCATGACTGTATTTGAAACAACCTGAATTTGA  
CCAACACGAAGGCTGTCTACACCACCTGTAGTAATTCAACTCTATTTACCACACATTTTGGAAATTC  
TTCTGTAGAGACCACTTTGGATGGAGAGAGTATCCTGAGTCTGTTGTTGACTAATTGAAGAAGCCAAC  
CTCGGGGTCTGAAAGAAGTTAGATTTATGATGTGGAACAACCATTATATTCTCCACAACCTATTCTCCG  
GAGAGAAAATAAAACGGAGACCCCTTTCCGTTCCCTGTTTCATACTGATTCCATATTTACAGACACTTGGT  
GGGTTTCCCACTCAGGCTTCTCTGCCTCTTGAAGCAACTTCATCACAAATCATCTGCCAGATGGAGTAA  
CTTCAGCCAACCTTTACCTGAAACGTGGGTTTATATGCATCCATCTCAGGACTTCATCCAAGTGCCTGT  
TTCTGCAGAAGATAAAAGTTATCGAATCATTTACAACCTTTTTCATAAACTGTACCTGAATTTAAATAC  
AGAATTTTACAAATATTGAGAGTCCAAAACCAATTTCTTTGGGAGAAATATAAAAGGAAAAAAGAATATA  
TGAACAGAAAAATGTCTGGCCGTGACAGAATAATAAATGAGAGACACTTATTTTCATGGAACATCCCAAGA  
TGATAGTAGATGGAATTTGCAAGCACAACCTTTGATCCCCGTGTCTGTGAAAGCATGCTACAATGTTTGA  
CAAGGCAGTTATTTGCAAGAAGGCAAGCTACTCTCAACTTTTCTAAGAAGTCTCCAAAGGAGTCC  
ATTTTCATGTTTTTGGCCAAAGTGTAACTGGCAGATACACAATGGGCAGTCATGGCATGAGAAGGCCCCC  
TCCGGTCAACCTGGCAGTGTACCAGTGAATATGACTCTTGTGTGGATAATTTTTTTGAGCCTCAG  
ATTTTTGTCATTTTAAATGATGACCAGAGTTACCTTATTTTGTATCCAATATGAAGAAGTCAGTAAACA  
CTGTTTCCATTACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR209817 protein sequence  
Red=Cloning site Green=Tags(s)

```
MEVETTEPEPDCVVQPPSPSDDFSCQMRISEKISPLKTCFKKKQEQKRLGTGLRSLRPILNTLLESGSL
DGVFRARDQNRDESSLHEHIVKKPLEINPSCPPAENSMPLIPDGTNVEGQLPEAHPSTDAPEQGVPIQD
HSFPPETISGTVADSTTGHFQTDLLHPVSGDVPTSPDCVDKVMYVPGAFQDNSFTIQYILDTSKLSLSTE
LFQDKSEEASLELVFELVNQLQYHHTQENGIEICMDFLQGTCTIYGRDCLKHHTVLPYHWQIKRRTTQKWQ
SVSNDSQEHLERFYCNPENDRMRMKYGGQDFWADLNAMTVFETTEFDQLRRLSTPPCSNSNSIYHTFWKF
FCRDHFGWREYPESVVRLEEEANSRGLKEVRFMMWNNHYILHNSFFREIKRRPLFRSCFILIPYQLTLG
GVPTQASLPLEATSSQIICPDGVTSANFYPETWVYMHPSQDFIQVPVSAEDKSYRIIYNLFHKTVPFVKY
RILQILRVQNQFLWEKYKRKKEYMNRKMSGRDRIINERHLFHGTSQDVVDGICKHNFDPVCGKHATMFG
QGSYFAKKASYSHNFSSKSSKGVHFMFLAKVLTGRYTMGSHGMRPPVNPVPGSVTSDLYDSCVDNFFEPQ
IFVIFNDDQSYPFVVIQYEEVSNVTSI
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178892

**ORF Size:** 1974 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\\_178892.5](#)

**RefSeq Size:** 4154 bp

**RefSeq ORF:** 1974 bp

**Locus ID:** 99929

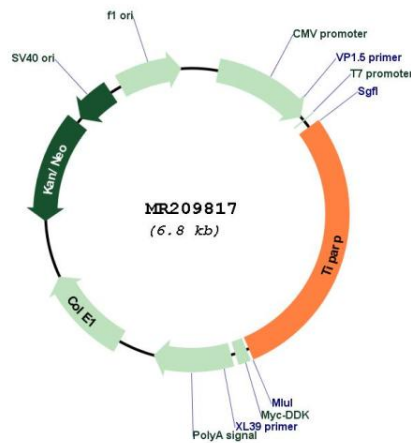
**UniProt ID:** [Q8C1B2](#)

**Cytogenetics:** 3 E1

**MW:** 75.9 kDa

**Gene Summary:** ADP-ribosyltransferase that mediates mono-ADP-ribosylation of glutamate, aspartate and cysteine residues on target proteins (By similarity). Acts as a negative regulator of AHR by mediating mono-ADP-ribosylation of AHR, leading to inhibit transcription activator activity of AHR (Probable).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR209817