

## Product datasheet for **MG217374**

### **Pars2 (NM\_001083887) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pars2 (NM_001083887) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pars2
Synonyms:	BC027073
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG217374 representing NM\_001083887  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGCTGGGCTAATAGACATGGAAGGATCCACATCTTGGATCCCGTGCTGAGAACCAAGTTAATCGTCA  
 TCCACGCTGACTATTTTCTCCAGGTGCCAGGGTGTCATGGAAGGTCTGCTGACAAGATGCAGAACACT  
 GTCTGCCTTGGCTGCCTGCAGCCTCCGTCACTGCAGATACATCATCCACAAGTGTACCATCGTGCGCC  
 GGGAGAGGGCAGCGCTTGGTATTATCCCGCATGTTCCAGCCTCAGAACCTTCGGGAAGACCAGGTGCTTT  
 CTCTGGAGGGCAGAGCTAGCGACCTGACCTGTAAGAGCCAGCGGCTGATGCTGCAAGTGGCCTGATCCT  
 TCCAGCCAGCCCTGGCTGTTACCACCTCATGCCCTATACAGTGCCTGCCGTGGAGAAGCTTGTGCGGGTG  
 ATAGACCAGGAGATGCAGGCCATCGCGGGCAGAAAATCAACATGCCAGCCTCAGCCAGCTGAGCTGT  
 GCGGGCCACCAGCCGCTGGGACCTGATGGCAGGGAGCTGCTGAGACTGAGAGACAGGCACGGCAAAGA  
 GTACTGCTTGGGACCGACTCATGAGGAAGCGGTTACAGCCCTGGTTGCCCTCCAGAAGAACTTTCTAC  
 AAGCAGCTCCCCTGTTGTTGTACCAGGTTACAAGGAAGTTTCGGGATGAGCCCAGGCCCGGTTTGGTC  
 TTCTCCGTGGCCGGGAGTTCTATATGAAGGACATGTACACCTTTGATTCTCTCTGAGGCTGCCAGGA  
 AACCTACGGCCTGGTGTGTGATGCTTACTGTAGGCTGTTTACAGGCTGGGATTGCAATGGATGAAGGCC  
 AGGGCAGATGTGGGCAGCATCGGGGGCAGATGTCCCATGAATCCAGCTACCAGTGGACATTGGAGAGG  
 ACCGCCTTGTGGTCTGTCCCAGCTGCCACTTCTCCGCCAACACAGAGATACTAGACTTGTCAAAAAAT  
 CTGCCCTGACTGCCAGGGTCCACTGACAGAAAACAAAGGCATTGAGGTGGGGCACACATTCTACCTTAGT  
 ACCAAGTACTCTCCATTTTCAATGCCCTCTTTACCAATGCCATGGGGAATCTTTGCTGGCTGAAATGG  
 GGTGCTACGGGCTGGGAGTCACTCGGATCCTGGCTGCAGCCATCGAAGTCTCTCTACGGAAGACTGCAT  
 CCGCTGGCCCGCCTCCTTGCCCTTACCAAGTCTGTGTATCCCCCTAAGAAAAGCAGCAAGGAGACA  
 GCAGCCACAGAGATTGTGGAGAAGTTATATGATGACATCATGGAGGCTGTGCCCCAGCTCCGAGGGGAGG  
 TCCTGCTGGACGACAGGACCCACCTGACCATTGGAAACAGACTGAAAGATGCCAACAAAGCTTGGCTACCC  
 CTTTGTGATCATTGCGGGCAAGAGGGCCTTGGAGGACCCAGCACACTTTGAGGTTTGGTCTCAGAACACT  
 GGTGAGGTGGTCTTCTCACAAAGAGGGAGTCATGGAACACTAACTGGAGTGCATGTTGTC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG217374 representing NM\_001083887  
 Red=Cloning site Green=Tags(s)

MCWANRHGRIHILDPVLRKLIIVIPRDSFFSRCQGVMEGLLTRCRTLSALAAACSLRHCRYIIHKCYHRAP  
 GRGQRLVLSRMFQPQNLREDQVLSLEGRASDLTCKSQRLMLQVGLILPASPGCYHLMPTVRAVEKLRV  
 IDQEMQAIIGGQKINMPSPSLPAELWRATSRWDLMGRELLRLRDRHGKEYCLGPTHEEAVALVASQKLSY  
 KQLPLLLYQVTRKFRDEPRPRFGLLRGREFYMKDMYTFDSSSEAAQETYGLVCDAYCRLFDRGLQWKA  
 RADVGSIGGTMSEFQLPVDIGEDRLVVCPSCHFSAANTEILDLSQKICPDCQGPLTETKIEVGHFTFYS  
 TKYSSIFNALFTNAHGESLLAEMGCYGLVTRILAAAIEVLSTEDCIRWPRLAPYQVCVIPPCKGSKET  
 AATEIVEKLYDDIMEAVPQLRGEVLLDDRTHLTIGNRLKANKLGYPFVVIAGKRALEDPAHFEVWSQNT  
 GEVVFLTKEGVMELLTGVHVV

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001083887

**ORF Size:** 1533 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\\_001083887.2](#), [NP\\_001077356.1](#)

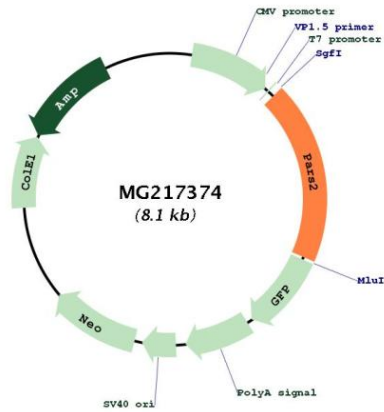
**RefSeq Size:** 3075 bp

**RefSeq ORF:** 1536 bp

**Locus ID:** 230577

**Cytogenetics:** 4 C7

Product images:



Circular map for MG217374