

## Product datasheet for **MG207532**

### **Gps1 (BC003350) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gps1 (BC003350) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gps1
Synonyms:	COPS1, MGC7191, Csn1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207532 representing BC003350  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCAGATTGATGTCGATCCGCAGGAAGATCCGCAGAACGCACCTGATGTCAACTATGTGGTGGAGAATC  
 CCACCCTGGATCTGGAGCAGTATGCAGCCAGCTACAGTGGCCTGATGCGAATTGAGCGACTACAGTTTAT  
 TGCTGACCGTTGCCCTCCACTGAGGGTAGAGGCCCTTAAAATGGCTCTATCCTTCGTGCAGAGGACCTTC  
 AATGTGGACATGTATGAAGAGATACACCGGAAGCTCTCCGAGGCTACCAGGGAGCTGCAGAATGCACCTG  
 ATGCCATCCCTGAGAGTGGAGTGGAGCCCCGCCCTGGACACAGCCTGGGTGGAGGCCACTCGGAAGAA  
 GGCTCTGTTGAACTGGAGAAGCTGGACACGGACTTGAAGAACTATAAGGGCAATTCTATCAAAGAGAGC  
 ATCAGGCGCGCCACGATGACCTGGGTGATCACTACCTGGACTGTGGGGACCTCAGCAATGCCCTCAAAT  
 GTTACTCAGAGCCGAGACTACTGCACCAGTGTAAAGCATGTCATCAACATGTGCCTCAACGTCATCAA  
 GGTCAGTGTCTACTTGCAAAATTGGTCTCATGTGTTAAGCTATGTCAGCAAGGCCGAGTCTACTCCAGAG  
 ATTGCTGAGCAGCGGGGAGAGCGGGACAGCCAGCAAGCCATCCTCACCAAGCTCAAGTGTGCTGCAG  
 GCTTGGCTGAGCTGGCCGCACGGAAGTATAAGCAAGCAGCCAAGTGTCTCCTTCTGGCTTCTTTGATCA  
 CTGTGACTTCCCAGAGCTGCTGTCCCCAGCAATGTGGCTGTCTATGGTGGCCTGTGTGCCTTAGCCACC  
 TTTGACCGGCAGGAGCTGCAACGAAATGTCATCTCCAGCAGTTCCTTCAAGCTGTTCTGGAGCTGGAGC  
 CACAGGTGAGAGACATCATCTTCAAATTCTATGAATCCAAGTATGCCTCATGCTTGAAGATGCTGGACGA  
 GATGAAGGATAACCTGCTCCTGGACATGTACCTGGCCCCCAGCTCAGGACACTGTACCCAGATTTCGT  
 AACCGGGCTCTTATCCAATACTTCAAGCTATGTCAGCTGATATGCACAAGATGGCTGCAGCCCTTCA  
 ACACAACAGTTGAGCTCTGGAAGATGAGCTGACACAGCTCATTCTGGAGGGCCTTATTAATGCCCGCAT  
 CGACTCACACAGCAAGATACTGTATGCTCGAGATGTGGATCAGCGTAGCACCACCTTTGAGAAGTCCCTG  
 CTGATGGCAAGGAATCCAACGACGTGCCAAAGCTATGATTCTGAGAGCAGCTGTGCTCCGCAACCAGA  
 TCCATGTCAAGTCTCCTCTAGAGAAGGGAGCCAAAGGGGAGCTGACTCCAGCCAACAGCCAGTCACGCAT  
 GAGTACCAACATG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207532 representing BC003350  
 Red=Cloning site Green=Tags(s)

MQIDVDPQEDPQNAPDVNYVVENPTLDLEQYAASYSGLMRIERLQFIADRCPLRVEALKMALSFVQRTF  
 NVDMYEEIHRKLSEATRELQNAPDAIPESGVEPPPLDTAWVEATRKKALLKLEKLDLKNYKGNISIKES  
 IRRGHDDLGDHYLDCGDLNALKCYSRARDYCTSAKHVINMCLNVIKVSVYLVQNSHVLVSYVSKAESTPE  
 IAEQRGERDSQTQAAILTKLKAAGLAELAARKYQAAKCFLLASFHDHCFPELLSPSNVAVYGGLCALAT  
 FDRQELQRNVISSSSFKLFLLELPQVRDIFKYESKYASCLKMLDEMKNLLLDMYLAPHVRTLYTQIR  
 NRALIQYFSPYVSADMHKMAAFNTTVAALEDEL TQLILEGLINARIDSHSKILYARDVDQRSTTFEKSL  
 LMGKEFQRRAKAMILRAAVLRNQIHKVSPPREGSQGELTPANSQSRMSTNM

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC003350

**ORF Size:** 1415 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:** [BC003350](#), [AAH03350](#)

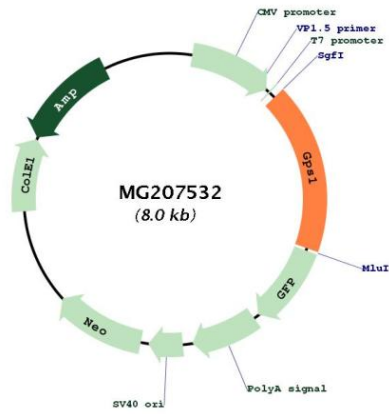
**RefSeq Size:** 2018 bp

**RefSeq ORF:** 1415 bp

**Locus ID:** 209318

**Cytogenetics:** 11 E2

Product images:



Circular map for MG207532