

## Product datasheet for **MC217403**

### **Gps1 (NM\_145370) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gps1 (NM_145370) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gps1
Synonyms:	Cops1; Csn1; R75577; Sgn1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217403 representing NM\_145370  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCGGGGACGCCGGCGCCAGCTCGGCCTCGTCGCGCTCCGACCTGAGCCGAGCCCTGCGCACA  
GCAGGTCGACTTTCGGCCCGGCACGGCGGGCGACTACAGCCTGAGCGCCAGCCTGTCGGCTGCAGCTT  
GCTTCCGAGGGGGCCGTGGAACCCATGCAGATTGATGTCGATCCGCAGGAAGATCCGCAGAACGCACCT  
GATGTCAACTATGTGGTGGAGAATCCCACCCTGGATCTGGAGCAGTATGCAGCCAGCTACAGTGGCCTGA  
TGCGAATTGAGCGACTACAGTTTATTGCTGACCGTTGCCCTCCACTGAGGGTAGAGGCCCTTGAAAATGGC  
TCTATCCTTCGTGCAGAGGACCTTCAATGTGGACATGTATGAAGAGATACACCGGAAGCTCTCCGAGGCT  
ACCAGGGAGCTGCAGAATGCACCTGATGCCATCCCTGAGAGTGGAGTGGAGCCCCGCCCTGGACACAG  
CCTGGGTGGAGGCCACTCGGAAGAAGGCTCTGTTGAAACTGGAGAAGCTGGACACGGACTGAAGAATA  
TAAGGGCAATTCTATCAAAGAGAGCATCAGGCGCGGCCACGATGACCTGGGTGATCACTACCTGGACTGT  
GGGACCTCAGCAATGCCCTCAAATGTTACTCACGAGCCCGAGACTACTGCACCAGTGCTAAGCATGTCA  
TCAACATGTGCCTCAACGTCATCAAGGTCAGTGTCTACTTGCAAAATTGGTCTCATGTGTTAAGCTATGT  
CAGCAAGGCCGAGTCTACTCCAGAGATTGCTGAGCAGCGGGGAGAGCGGGACAGCCAGCAAGCCATC  
CTCACCAAGCTCAAGTGTGCTGCAGGCTTGGCTGAGCTGGCCGCACGGAAGTATAAGCAAGCAGCCAAGT  
GCTTCCTTCTGGCTTCTTTGATCACTGTGACTTCCCAGAGCTGCTGTCCCCAGCAATGTGGCTGTCTA  
TGGTGGCTGTGTGCCTTAGCCACCTTTGACCGGCAGGAGCTGCAACGAAATGCATCTCCAGCAGTTCC  
TCAAGCTGTTCTGGAGCTGGAGCCACAGGTCAGAGACATCATCTTCAAATCTATGAATCCAAGTATG  
CCTCATGCTTGAAGATGCTGGACGAGATGAAGGATAACCTGCTCCTGGACATGTACCTGGCCCCCTCAGT  
CAGGACACTGTACACCCAGATTGTAACCGGGCTCTTATCCAATACTTCAGCCCCCTATGTGTGACGTGAT  
ATGCACAAGATGCTGCAGCCTTCAACACAACAGTTGCAGCTCTGGAAGATGAGCTGACACAGCTCATT  
TGGAGGGCCTTATTAATGCCCGCATCGACTCACACAGCAAGATACTGTATGCTCGAGATGTGGATCAGCG  
TAGCACACCTTTGAGAAGTCCCTGCTGATGGGCAAGGAATCCAACGACGTGCCAAAGCTATGATTCTG  
AGAGCAGCTGTGCTCCGCAACCAGATCCATGTCAAGTCTCCTCTAGAGAAGGGGACCAAGGGGAGCTGA  
CTCCAGCCAACAGCCAGTCACGCATGAGTACCAACATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_145370

**Insert Size:** 1581 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_145370.2](#), [NP\\_663345.2](#)

**RefSeq Size:** 2000 bp

**RefSeq ORF:** 1581 bp

**Locus ID:** 209318

**Cytogenetics:** 11 E2