

Product datasheet for **MG220256**

Gps1 (NM_001177874) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gps1 (NM_001177874) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gps1
Synonyms:	Cops1; Csn1; R75577; Sgn1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG220256 representing NM_001177874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCTGCCGTTTCAAGTGTAACTTCGAGGGGGCCGTGGAACCCATGCAGATTGATGTCGATCCGC
 AGGAAGATCCGCAGAACGCACCTGATGTCAACTATGTGGTGGAGAATCCCACCCTGGATCTGGAGCAGTA
 TGCAGCCAGCTACAGTGGCCTGATGCGAATTGAGCGACTACAGTTTATTGCTGACCGTTGCCCTCCACTG
 AGGGTAGAGGCCCTGAAAATGGCTCTATCCTTCGTGCAGAGGACCTTCAATGTGGACATGTGAAGAGA
 TACACCGGAAGCTCTCCGAGGCTACCAGGGAGCTGCAGAATGCACCTGATGCCATCCCTGAGAGTGGAGT
 GGAGCCCCCGCCCTGGACACAGCCTGGGTGGAGGCCACTCGGAAGAAGGCTCTGTTGAACTGGAGAAG
 CTGGACACGGACTTGAAGAACTATAAGGGCAATTCTATCAAAGAGAGCATCAGGCGGCCACGATGACC
 TGGGTGATCACTACCTGGACTGTGGGACCTCAGCAATGCCCTCAAATGTTACTCAGGACCCGAGACTA
 CTGCACCAGTGCTAAGCATGTCAACATGTGCCTCAACGTCAAGGTCAGTGTCTACTTGCAAAT
 TGGTCTCATGTGTTAAGCTATGTGAGCAAGGCCGAGTCTACTCCAGAGATTGCTGAGCAGCGGGGAGAGC
 GGGACAGCCAGACGCAAGCCATCCTCACCAGCTCAAGTGTGCTGCAGGCTTGGCTGAGCTGGCCGACG
 GAAGTATAAGCAAGCAGCCAAGTCTTCTTGGCTTCTTTGATCACTGTGACTTCCCAGAGCTGCTG
 TCCCCAGCAATGTGGCTGTCTATGGTGGCCTGTGTGCCCTTAGCCACCTTGGACCGCAGGAGCTGCAAC
 GAAATGTCATCTCCAGCAGTTCCTTCAAGCTGTTCTGGAGCTGGAGCCACAGGTCAGAGACATCATCTT
 CAAATTCTATGAATCCAAGTATGCCTCATGCTTGAAGTGTGGACGAGATGAAGGATAACCTGCTCCTG
 GACATGACCTGGCCCCCCTCAGTCAGGACACTGTACCCAGATTGTAACCGGGCTCTTATCCAATACT
 TCAGCCCCTATGTGTGAGCTGATATGCACAAGATGGCTGCAGCCTTCAACACAACAGTTGACAGCTGGA
 AGATGAGCTGACACAGCTATTCTGGAGGCCTTATTAATGCCCGCATCGACTCACACAGCAAGTACTG
 TATGCTCGAGATGTGGATCAGCGTAGCACCCCTTTGAGAAGTCCCTGCTGATGGCAAGGAATCCAAC
 GACGTGCCAAAGCTATGATTCTGAGAGCAGCTGTGCTCCGCAACCAGATCCATGTCAAGTCTCCTCTAG
 AGAAGGGAGCCAAGGGGAGCTGACTCCAGCCAACGCCAGTCACGCATGAGTACCAACATG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG220256 representing NM_001177874
 Red=Cloning site Green=Tags(s)

MPLPVQVFNLQGAVEPMQIDVDPQEDPQNAPDVNYVVENPTLDLEQYAASYSGLMRIERLQFIADRCPP
 RVEALKMALS FVQRTFNVDMYEEIHRKLSEATRELQNAPDAIPESGVEPPPLDTAWVEATRKKALLKLEK
 LDTD LKNYKGN SIKESIRRGHDDLGDHYLD CGDLSNALKCYSRARDYCTSAKHVINMCLNVIKVSVYLQN
 WSHVLSYVSKAESTPEIAEQRGERDSQTQAILTKLKCAAGLAELAARKYKQAAKCFLLASFHDHDFPELL
 SPSNVAVYGG L CALATFDRQELQRNVISSSFKLFLELEPQVRDIIFKFYESKYASCLM LDEMKNLL
 DMYLAPHVRTLYTQIRNRALIQYFSPYVSADMHKMAAFNTTVAALEDEL TQLILEGLINARIDSHSKIL
 YARDVDQRSTTFEKSLLMGKEFQRRAKAMILRAAVLRNQIHKVSPPREGSQGELTPANSQRSMTNM

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001177874

ORF Size: 1461 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_001177874.2](#)

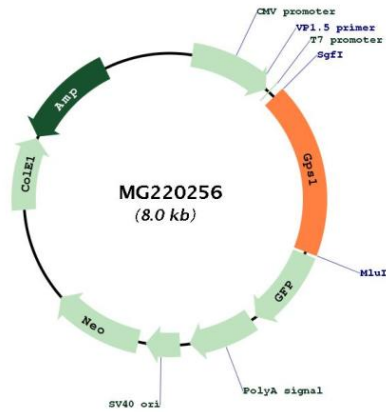
RefSeq Size: 1860 bp

RefSeq ORF: 1464 bp

Locus ID: 209318

Cytogenetics: 11 E2

Product images:



Circular map for MG220256