

Product datasheet for **MR220256**

Gps1 (NM_001177874) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gps1 (NM_001177874) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gps1
Synonyms:	Cops1; Csn1; R75577; Sgn1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220256 representing NM_001177874
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCTGCCGTTTCAAGTGTAACTTCGAGGGGGCCGTGGAACCCATGCAGATTGATGTCGATCCGC
 AGGAAGATCCGCAGAACGCACCTGATGTCAACTATGTGGTGGAGAATCCACCCTGGATCTGGAGCAGTA
 TGCAGCCAGCTACAGTGGCCTGATGCGAATTGAGCGACTACAGTTTATTGCTGACCGTTGCCCTCCACTG
 AGGGTAGAGGCCCTTAAAATGGCTCTATCCTTCGTGCAGAGGACCTTCAATGTGGACATGTGAAGAGA
 TACACCGGAAGCTCTCCGAGGCTACCAGGGAGCTGCAGAATGCACCTGATGCCATCCCTGAGAGTGGAGT
 GGAGCCCCCGCCCTGGACACAGCCTGGGTGGAGGCCACTCGGAAGAAGGCTCTGTTGAACTGGAGAAG
 CTGGACACGGACTTGAAGAACTATAAGGGCAATTCTATCAAAGAGAGCATCAGGGCGGCCACGATGACC
 TGGGTGATCACTACCTGGACTGTGGGGACCTCAGCAATGCCCTCAAATGTTACTCAGAGCCCGAGACTA
 CTGCACCAGTGCTAAGCATGTCAACATGTGCCTCAACGTCAAGGTCAGTGTCTACTTGCAAAT
 TGGTCTCATGTGTTAAGCTATGTGAGCAAGGCCGAGTCTACTCCAGAGATTGCTGAGCAGCGGGGAGAGC
 GGGACAGCCAGACGCAAGCCATCCTCACCAGCTCAAGTGTGCTGCAGGCTTGGCTGAGCTGGCCGCACG
 GAAGTATAAGCAAGCAGCCAAGTCTTCTTGGCTTCTTTGATCACTGTGACTTCCCAGAGCTGCTG
 TCCCCAGCAATGTGGCTGTCTATGGTGGCCTGTGTGCCCTTAGCCACCTTGACCGGCAGGAGCTGCAAC
 GAAATGTCATCTCCAGCAGTTCCTTCAAGCTGTTCTGGAGCTGGAGCCACAGGTCAGAGACATCATCTT
 CAAATTCTATGAATCCAAGTATGCCTCATGCTTGAAGTGTGGACGAGATGAAGGATAACCTGCTCCTG
 GACATGACCTGGCCCCCTCAGTCAGGACACTGTACCCAGATTCTGTAACCGGGCTCTTATCCAATACT
 TCAGCCCCATATGTGTCAGCTGATATGCACAAGATGGCTGCAGCCTTCAACACAACAGTTGCAGCTGGA
 AGATGAGCTGACACAGCTATTCTGGAGGCCTTATTAATGCCCGCATCGACTCACACAGCAAGTACTG
 TATGCTCGAGATGTGGATCAGCGTAGCACACCTTTGAGAAGTCCCTGCTGATGGCAAGGAATCCAAC
 GACGTGCCAAAGCTATGATTCTGAGAGCAGCTGTGCTCCGCAACCAGATCCATGTCAAGTCTCCTCTAG
 AGAAGGGAGCCAAGGGGAGCTGACTCCAGCCAACAGCCAGTCACGCATGAGTACCAACATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220256 representing NM_001177874
 Red=Cloning site Green=Tags(s)

MPLPVQVFNLQGAVEPMQIDVDPQEDPQNAPDVNYVVENPTLDLEQYAASYSGLMRIERLQFIADRCPPPL
 RVEALKMALSFVQRTFNVDMYEEIHRKLESEATRELQNAPDAIPESGVEPPPPLDTAWVEATRKALKLLEK
 LDTDLKKNYKNSIKESIRRGHDDLGDHYLDGDLNALKCYSRARDYCTSAKHVINMCLNVIKVSVYLQN
 WSHVLSYVSKAESTPEIAEQRGERDSQTQAILTKLKCAAGLAELAAARKYKQAAKCFLLASFHDHDFPELL
 SPSNVAVYGGGLCALATFDRQELQRNVISSSFKLFLELEPQVRDIIFKFYESKYASCLKMLDEMKNLLL
 DMYLAPHVRTLYTQIRNRALIQYFSPYVSADMHKMAAFNTTVAALEDELTLILEGLINARIDSHSKIL
 YARDVDQRSTTFEKSLLMGKEFQRRAKAMILRAAVLRNQIHKVSPPREGSQGELTPANSQSRMSTNM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

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

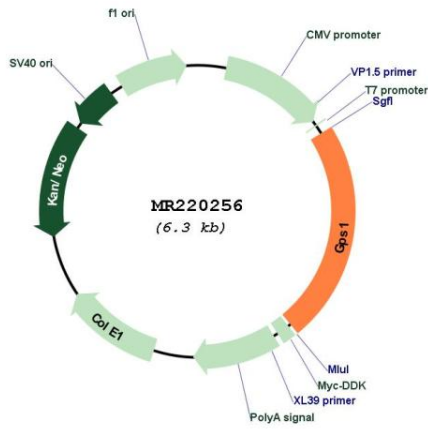
RefSeq ORF: 1464 bp

Locus ID: 209318

Cytogenetics: 11 E2

MW: 55.6 kDa

Product images:



Circular map for MR220256