

Product datasheet for **MG210911**

Vps16 (NM_030559) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps16 (NM_030559) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vps16
Synonyms:	1810074M16Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210911 representing NM_030559
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACTGTTACTACTGCGAACTGGAATCCACTCGGGACTCTGCCTTTTACAGGAAGTATGAGCTGTACA
 GCATGGACTGGGACCTGAAGGAGGAGCTCAAGGATTGCCTGGTGGCTGCTGCACCCATATGGGGTCCCAT
 TGCTCTACTGAGGAACTGTTGGAGAAAAGAGAAAAGCTGCCAGCGTGCAGCCAGTACTGGAGATCTACTCT
 GCATCTGGCTTACCCTGGCTAGCCTGTGTGGAAGAGTGGCCTGTGGTGGCCCTCGGCTGGTCAAGCTG
 AGGAGGAGCTGCTCTGTGTGCAAGAAGTGGTGCAGTGTAGTTTATGGCCTTCATGGAGACTTCCGGAG
 GCACCTCAGCATGGGCAATGAAGTGCTTCAAGACCGTGTCTGGATGCCCGGATTTTTACACTGAGTTT
 GGTTCAGGGTGGCCATCCTTACAGGAGCCTATCGCTTACTCTGAGTGCATATGTTGGTGCCTCAAAC
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 AGTACCACACATTCTTCTGGCTGTAGGACCCGATCTTTACCTTCTGGATCATGCTACCTGCTCTGCAGTG
 ACACCTGCTGGCTTAGCCCCAGGAGTGAGCAGCTTCTACAGATGGCTGTATCCTTACAGTATCGTTACC
 TGGCACTCTTACAGACACAGGCTACATCTGGATGGGGACAGCATCACTCAAGGAGAAGCTGTGTGAGTT
 CAACTGCAACATCCGGGCTCCCCGAAGCAGATGGTCTGGTGTAGCCGCTCCTCGGAGCAAGGAAAGGGCT
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 TACAAGGTGCAGCAGAAAGATGTCTCAGATGAAGATGTAGCACGGGCTATTAATCAGAAGCTGGGTGACA
 CGCCTGGTGTTCATACTCTGACATTGCTGCGAGGGCCTATGGCTGTGGCCGCACTGAACTGGCCATTAA
 GCTGCTGGAGTATGAGCCAGCTCAGGGGAGCAGGTACCTCTTCTCTAAAGATGAAGAGGAGCAAAGT
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 GAGGCCAAGAAGTATGCTTCCCGTGTGGCCCTGAACAAAAGGTCAAGGCTTTGCTTCTTGTGGGGATG
 TGGCTCAGGCTGCAGAGGTGGCTATTGAGCACCGAATGAAACAGAGCTGAGCCTCGTTTTGTCCCACTG
 CACTGGAGCCACAGATGGGGCCATAGCTGACAAGATTCAGCGGGCCAGGGCACAAGCCAGAAGAAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

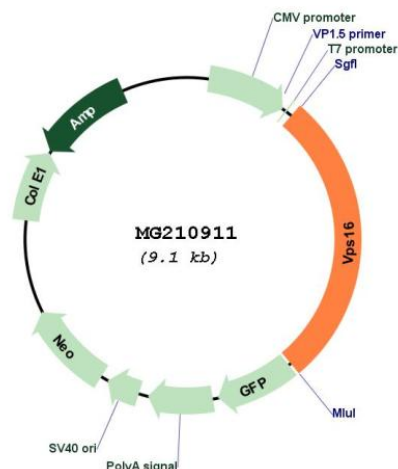
Protein Sequence: >MG210911 representing NM_030559
Red=Cloning site Green=Tags(s)

MDCYTANWNPLGDSAFYRKYELYSMDWDLKEELKDCLVAAAPYGGPIALLRNCWRKEKAASVRPVEIYS
ASGLPLASLLWKS GPVVALGWSAEEELLCVQEDGAVLVYGLHGDFRRHF SMGNEVLQNRVLDARIFHTEF
GSGVAILTGAYRFTLSANVGD LKLRMPEVPGMQSAPSCWTTLCHDRVPHILLAVGPDLYLLDHATCSAV
TPAGLAPGVSSFLQMAVSFTYRYLALFTDTGYIWMGTASLKEKLCFN CNIRAPPKQMVWCSRPRSKERA
VVVAWERRLMVVGNAPE SIQFVLDEDSYLVPELDGVRIFSRSTHEFLHEVPVASEEIFKIASMAPGALLL
EAQKEYEKESQKADEYLREIQELGQLIQAVQQCIEAAGHEHQPDMQKSL LRAASF GKCF LDRFPDSFVH
MCQDLRVLNAIRDYHIGIPLTYTQYKQLTIQVLLDRLVLRRLYPLAIQICEYLR LPEVQGVSRILAHWAC
YKVQQKDVSDEDVARAINQKLGDTPGVSYSDIAARAYGCGRTE LAIKLLEYEPRSGEQVPLLLKMKRSKL
ALSKAIESGDTDLVFTVLLHLKNELNRGDFMTLRNQPMALSLYRQFCKHQELDTLKDLYNQDDNHQELG
SFHIRASYAAEERIEGRVAALQMAADAFYKAKNEFAAKATEDQMRLLR IQRRLDEDELGGRFLDLSLHDTV
TTLILGGHNKRAEQLARDFRIPDKRLWWLKL AALADLEDWEELEKF SKSKKSPIGYLPFVEICMKQH NKH
EAKKYASRVGPEQKVKALLLVGDVAQAAEVAIEHRNETELSLVLSHCTGATDGAIADKIQRARAQAQKK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

Plasmid Map:



ACCN: NM_030559

ORF Size: 2517 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_030559.2](#), [NP_085036.2](#)

RefSeq Size: 2617 bp

RefSeq ORF: 2520 bp

Locus ID: 80743

Cytogenetics: 2 F1