

Product datasheet for **MG201538**

Vps25 (NM_026776) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps25 (NM_026776) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Vps25
Synonyms: 1110020N13Rik; AW107467; D11Wsu68e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201538 representing NM_026776
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTACCGCTTCCCGCCCTTCTTACGTTACAGCCGAACGTGG
 ACACCCGGCAGAAGCAGCTGGCCGCTGGTGTCTCTGTTCTGTCTTCTGCCGCTGCACAAACAGTC
 CAGCATGACGGTATGGAAGCCAGGAGAGCCCGCTTTTCAACAACGTCAGCTACAGCGGAACTTCT
 GTGGAGTCAATTCAGATTGTATTAGAAGAACTGAGAAAGAAAGGGAACCTCGAGTGGTTGGATAAGAATA
 AGTCTAGCTTCTGATCATGTGGCGGAGGCCAGAAGAATGGGGAAACTCATTTACCAATGGTTTCCAG
 GAGTGGCCAGAATAACTCTGTGTTTACTCTGTATGAACTGACGAGTGGGGAAGACACAGAGGATGAAGAG
 TTCCATGGGCTGGACGAGGCGACCCTGCTGCGCGCTCTGCAGGCCCTACAGCAAGAGCACAAAGGCTGAGA
 TTATCACTGTACGCGATGGCCGAGGAGTCAAGTTCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201538 representing NM_026776
 Red=Cloning site Green=Tags(s)

MAMSEFPWQYRFPFFTLQPNVDTRQQLAAWCSLVLSFCRLHKQSSMTVMEAQESPLFNNVKLQRKLP
 VESIQIVLEELRKKGNLEWLDKNKSSFLIMWRRPEEWGKLIYQWVSRSGQNNVFTLYELTSGEDTEDEE
 FHGLDEATLLRALQALQQEHKAEIITVSDGRGVKFF

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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:	<ol style="list-style-type: none">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:	<u>NM_026776.5</u>
RefSeq Size:	1112 bp
RefSeq ORF:	531 bp
Locus ID:	28084
UniProt ID:	<u>Q9CQ80</u>
Cytogenetics:	11 64.48 cM
Gene Summary:	Component of the ESCRT-II complex (endosomal sorting complex required for transport II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL (By similarity).[UniProtKB/Swiss-Prot Function]