

Product datasheet for MR201538

Vps25 (NM_026776) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps25 (NM_026776) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vps25
Synonyms: 1110020N13Rik; AW107467; D11Wsu68e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201538 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTACCGCTTCCCGCCCTTCTTACGTTACAGCCGAACGTGG
 ACACCCGGCAGAAGCAGCTGGCCGCTGGTGCTCTCTGTTCTGTCTTCTGCCGCTGCACAAACAGTC
 CAGCATGACGGTATGGAAGCCAGGAGAGCCCGCTTTTCAACAACGTCAAGCTACAGCGGAACTTCT
 GTGGAGTCAATTCAGATTGTATTAGAAGAACTGAGAAAGAAAGGGAACCTCGAGTGGTTGGATAAGAATA
 AGTCTAGCTTCTGATCATGTGGCGGAGGCCAGAAGAATGGGGAAACTCATTTACCAATGGTTTCCAG
 GAGTGGCCAGAATAACTCTGTGTTTACTCTGTATGAACTGACGAGTGGGGAAGACACAGAGGATGAAGAG
 TTCCATGGGCTGGACGAGGCGACCCTGCTGCGCGCTCTGCAGGCCCTACAGCAAGAGCACAAAGGCTGAGA
 TTATCACTGTACGCGATGGCCGAGGAGTCAAGTTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201538 protein sequence
 Red=Cloning site Green=Tags(s)

MAMSEFPWQYRFPPFFTLQPNVDTRQKQLAAWCSLVLSFCRLHKQSSMTVMEAEQESPLFNNVKLQRKLP
 VESIQIVLEELRKKGNLEWLDKNKSSFLIMWRRPEEWGKLIYQWVSRSGQNNVFTLYELTSGEDTEDEE
 FHGLDEATLLRALQALQEQEHKAEIITVSDGRGVKFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_026776

ORF Size: 531 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_026776.5](#)

RefSeq Size: 1119 bp

RefSeq ORF: 531 bp

Locus ID: 28084

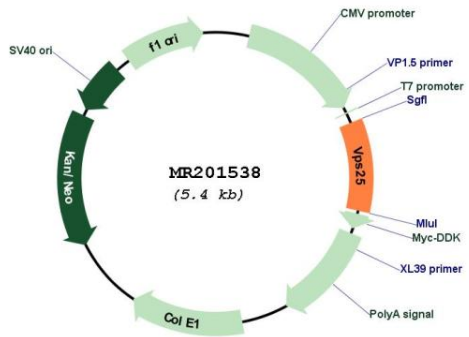
UniProt ID: [Q9CQ80](#)

Cytogenetics: 11 64.48 cM

MW: 20.7 kDa

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]

Product images:



Circular map for MR201538