

Product datasheet for **MR228346**

Vps25 (NM_001284411) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps25 (NM_001284411) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vps25
Synonyms: 1110020N13Rik; AW107467; D11Wsu68e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228346 representing NM_001284411
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTACCGCTCCCGCCCTTCTTACGTTACAGCCGAACGTGG
ACACCCGGCAGAAGCAGCTGGCCGCTGGTCTCTGTTCTGTCTTCTGCCCTGCACAAACAGTC
CAGCATGACGGTATGGAAGCCAGGAGAGCCCGCTTTTCAACAACGTCAAGCTACAGCGCCATTCCTT
AACCTTAAGCCAGGAACTTCCCTGTGGAGTCAATTCAGATTGTATTAGAAGAACTGAGAAAGAAAGGGA
ACCTCGAGTGGTTGGATAAGAATAAGTCTAGCTTCTGATCATGTGGCGGAGGCCAGAAGATGGGGGAA
ACTCATTACCAATGGGTTTCCAGGAGTGGCCAGAATAACTCTGTGTTTACTCTGTATGAACTGACGAGT
GGGGAAGACACAGAGGATGAAGATTCCATGGGCTGGACGAGGCGACCCTGCTGCGCGCTCTGCAGGCC
TACAGCAAGAGCACAAGGCTGAGATTACTACTGTACGCGATGGCCGAGGAGTCAAGTTCTTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228346 representing NM_001284411
Red=Cloning site Green=Tags(s)

MAMSFEPWQYRFPFFFTLQPNVDTRQQLAAWCSLVL SFCRLHKQSMTVMEAQESPLFNNVKLQRHSL
NLKPGKLPVESIQIVLEELRKKGNLEWLDKNKSSFLIMWRRPEEWGKLIYQWVSRSGQNNVFTLYELTS
GEDTEDEEFHGLDEATLLRALQALQEQEHKAEIITVSDGRGVKFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-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_001284411.2</u>
RefSeq Size:	1143 bp
RefSeq ORF:	555 bp
Locus ID:	28084
UniProt ID:	<u>Q9CQ80</u>
Cytogenetics:	11 64.48 cM
MW:	22 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]