

Product datasheet for MR228135

Vps25 (NM_001284414) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps25 (NM_001284414) 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: >MR228135 representing NM_001284414
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTACCGCTTCCCGCCCTTCTTACGTTACAGCCGAACGTGG
ACACCCGGCAGAAGCAGCTGGCCGCTGGTCTCTGTTCTGTCTTCTGCCGCTGCACAAACAGTC
CAGCATGACGGTGATGGAAGCCCAGGAGAGCCCGCTTTTCAACAACGTCAGCTACAGCGGAACTTCCT
GTGGAGTCAATCAGATTGTATTAGAAGAACTGAGAAAGAAAGGGAACCTCGAGTGGTTGGATAAGAATA
AGTCTAGCTTCTGATCATGTGGCGGAGGCCAGAAGAATGGGGAACTCATTTACCAATGGGTTTCCAG
GAGTGGCCAGAATAACTCTGTGTTACTCTGTATGAAGTACGAGTGGGGAAGACACAGAGGATGAAGCG
AGCTCAAGATTTGTGGGTGTCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR228135 representing NM_001284414
Red=Cloning site Green=Tags(s)

MAMSEFPWQYRFPFFFTLQPNVDTRQQLAAWCSLVLSFCRLHKQSSMTVMEAQESPLFNNVKLQRKLP
VESIQIVLEELRKKGNLEWLDKNKSSFLIMWRRPEEWGKLIYQWVSRSGQNNVFTLYELTSGEDTEDEA
SSRFVGV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

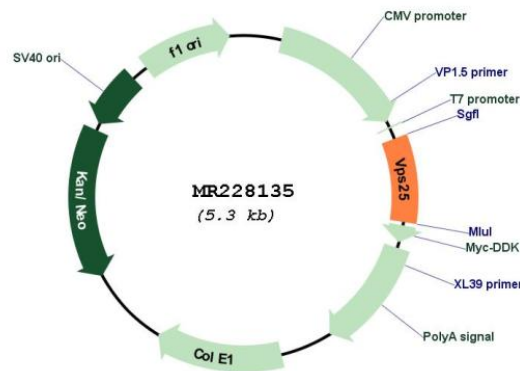


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001284414

ORF Size: 444 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:	<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_001284414.1, NP_001271343.1</u>
RefSeq Size:	613 bp
RefSeq ORF:	447 bp
Locus ID:	28084
UniProt ID:	<u>Q9CQ80</u>
Cytogenetics:	11 64.48 cM
MW:	17.9 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]