

Product datasheet for **MC225924**

Vps25 (NM_001284414) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps25 (NM_001284414) Mouse Untagged Clone
Tag: Tag Free
Symbol: Vps25
Synonyms: 1110020N13Rik; AW107467; D11Wsu68e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225924 representing NM_001284414
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTACCGCTTCCCGCCCTTCTTACGTTACAGCCGAACGTGG
ACACCCGGCAGAAGCAGCTGGCCGCTGGTCTCTGTTCTGTCTTCTGCCGCTGCACAAACAGTC
CAGCATGACGGTGATGGAAGCCCAGGAGAGCCCGCTTTTCAACAACGTC AAGCTACAGCGGAACTCCT
GTGGAGTCAATTCAGATTGTATTAGAAGAACTGAGAAAGAAAGGGAACCTCGAGTGGTTGGATAAGAATA
AGTCTAGCTTCTGATCATGTGGCGGAGGCCAGAAGAATGGGGGAACTCATTTACCAATGGGTTTCCAG
GAGTGGCCAGAATAACTCTGTGTTACTCTGTATGAACTGACGAGTGGGGAAGACACAGAGGATGAAGCG
AGCTCAAGATTTGTGGGTGTCAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001284414
Insert Size: 447 bp
OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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</u> , <u>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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice junction at the 5' end of an exon and differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (4) lacks an alternate internal segment and has a shorter and distinct C-terminus compared to isoform 1.</p>