

## Product datasheet for **RN215960**

### Vps25 (NM\_001173451) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Vps25 (NM\_001173451) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Vps25  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN215960 representing NM\_001173451  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTACCGCTTCCCGCCCTTCTTACGTTACAGCCGAACGTGG  
ACACCCGGCAGAAGCAGCTGGCCGCTGGTCTCTGGTTCTGTCTTCTGCCGCTGCACAAACAGTC  
CAGCATGACGGTGATGGAAGCCAGGAGAGCCCGCTCTCAACAACGTCAAGCTACAGCGGAACTTCCT  
GTGGAGTCGATTGATTGATTAGAAGAACTGAGGAAGAAAGGAAACCTCGAGTGGTTGGATAAGAATA  
AGTCTAGCTTCTGATCATGTGGCGGAGGCCAGAAGAAAGGGGAACTCATTTAATGGGTTTCCAG  
GAGTGGCCAGAATAACTCTGTGTTACCCTGTATGAACTGACCGAGTGGGGAAGACACAGAGGAGGAAGAG  
TTCCATGGGCTGGATGAGGCGACCCTGCTGCGTCTGCAGGCCCTACAGCAGGAGCACAAGGCTGAGA  
TTACTACTGTCAGCGATGGCCGAGGAGTCAAATCTTCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001173451  
**Insert Size:** 531 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).  
**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001173451.1, NP_001166922.1</u>
<b>RefSeq Size:</b>	1090 bp
<b>RefSeq ORF:</b>	531 bp
<b>Locus ID:</b>	681059
<b>UniProt ID:</b>	<u>P0C0A1</u>
<b>Cytogenetics:</b>	10q31
<b>Gene Summary:</b>	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 (By similarity). The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL.[UniProtKB/Swiss-Prot Function]