

Product datasheet for RN215960

Vps25 (NM_001173451) Rat Untagged Clone

Product data:

OriGene Technologies, Inc.

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point of reference. Note that the complete sequence of our molecular clones may differ from	Product Type:	Expression Plasmids
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 0range=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGAGGAGATCTGCC GCCGCGATCGCCC ATGGCGATGAGCTCACTATAGGGCGGCGGGAGTCCGCGCCGGTACCGAGGGAGATCTGCC GCCGCGCACGCCC ATGGCGATGAGCTCACTATAGGGCGGCGGGGAGTCCTGCTGCTCCTGCTCACACGGGAAACTGCC CACCATCACGGGTGAGCAGGCAGGAGCCCGGCTGGTCCTCTGGTCTGTGCTCTGCGCGCACGAAACAGGC TCCATGGCGGATGGGCCGCTGGGCACGTCGCCAGTGCACACACGGGAAACTCCT GTGGAGTGGCCAGAAGAAGCAGCTGGGCGCGCTGGTCACACACGGGAAACTCGGGGAAACTCCC GCGCGGCGCG	Product Name:	Vps25 (NM_001173451) Rat Untagged Clone
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 TTTTGTAATACGACTCACTATAGGGCGGCGGGGAATTCGTCGGACCGGAGGAGATCTGCC GCCGCGATGGCC ATGGCGATGAGGTTCGAGTGGGCGGTGGCAGTACCGCTTGCTGGCTG	Tag:	Tag Free
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 TTTTGTAATACGACTCACTATAGGGCGGGCGGGAATTCGTCGACTGGATCCGAGGAGATCTGCC GCCGCGCATCGCC ATGGCGATGGCCTCCCGCTCTCGTCCTGGTCCTGGTCCTGGCTCCGGCGCGCGGAACGTGG ACACCCGGCGGGCGCGTGGCGCGGGGGCGGGGC	Symbol:	Vps25
Cell Selection: Neomycin Fully Sequenced ORF: >RN215960 representing NM_001173451 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCGGGAATTCGTCGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTACCGCTTCCTGCGCCCCTCTTTACGTTACAGCCGAACGTGG ACACCCCGGCGCAGAGCAGCTGGCCGCTGGTGCTCTTCGTCCTTCTGCCGCCGCCGCAAACACGTC CAGCATGACGGTGATGGAAGCCCAGGAGGAGCCCGCGCTCTTCAACAACGTCAACGCAAACAGGC CAGCATGACGCTGATCAGATGGAAGCCCAGGAGGAGCCCGCGCTCTTCAACAACGGCAAGCAA	Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF: >RN21560 representing NM_001173451 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCGATGACTCCCC ATGGCGATGACTTCGAGTGGCCGTGGCAGTACCGCTTCCTGGCCTTCTTACGTTACAGCCGAACGTGG ACACCCGGCAAGCAGCTGGCCGCCTGGTGCTCTCTGGTCTTGTGCCTTCTGCGCCCGCAAACAGTC CAGCATGACGGGTGATGGAAGCCCGCCTGGTGCTCTCTGGTCTTGTGCCTTCTCAACAACGTC CAGCATGACGGTGATGGAAGCCCGCCTGGTGCCTCTCAACAACGTGAAGCAACAGGAACACGC GACTGGCCAAATAACTCTGTGTATTAGAAGACTCAAGGAAACGGAAGCACAGAGGAAGAAT AGTCTAGCTTCCTGATCAGATTGTATTAGAAGACTCAGGGGAAAGCACAGGGGGAAGCACAGGGGGAAGAAC GACTGGCCAGAATAACTCTGTGTTCACCTGTGTGCTGGCGGGGAAGCACACAGGAGGAAGAG TTCCATGGCCGGAGGAGCCCGCTGCTGCGGGGCCAGAAGAATGGGGGAAGCACAGAGGAGGAAGAG TTCCATGGCCGGATGACCGAGCAGCCTGCTGCGGGGCCAGAAGAACGGAGCACAAGGGCGGAAGAC AGGCGTACGCGGCCGGCTCGAGCAGAAACTCATCTCAGGAGGAGCACAAGGAGGAGGAT TTATCACTGCAGCGGCCGACGAGAAACTCATCTCAGGAGGAGCACAAGGAGGAGCACAAGGGCGGAAGAC ACGCGTACGCGGGCCGACGAGAAACTCATCTCAGGAGGATCTGGCAGCAGAAGGATATCCTGGATT ACAAGGATGACGAGCGACGATAAGGTTTAA Restriction Sites: Sgfl-Mlul 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	E. coli Selection:	Kanamycin (25 ug/mL)
Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGCGATCGCC ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTACCGCTTCCCGCCCTTCTTACGTTACAGCCGAACGTGG ACACCCGGCAGAAGCAGCTGGCCGGCCGGGCAGTACCGCCTTCTACAACCAGCCAAAACAGTC CAGCATGACGGTGGATGGAAGCAGCTGGCCGGCTGGTGCTCTCTGTGCTGTCGTGCCGCCGCC	Cell Selection:	Neomycin
GCCGCGATCGCC ATGGCGATGAGTTTCGAGTGGCCGTGGCAGTACCGCCTTCCTGGCCTTCTTACGTTACAGCCGAACGTGG ACACCCGGCAGATGAGCTGGCCGCCTGGTGCTCTCGGTCTCTGGCCTTCTGCCGCC	Fully Sequenced ORF:	
ACACCCGGCAGAAGCAGCTGGCCGCCTGGTGCTCTCTGGTTCTGTCTTGTCCTTCGCGCCGC		
ACAAGGATGACGACGATAAGGTTTAARestriction Sites:Sgfl-MlulACCN:NM_001173451Insert Size:531 bpOTI 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		ACACCCGGCAGAAGCAGCTGGCCGCCTGGTGCTCTCTGGTTCTGTCCTTCTGCCGCC
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		
Insert Size:531 bpOTI 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	Restriction Sites:	Sgfl-Mlul
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	ACCN:	NM_001173451
point of reference. Note that the complete sequence of our molecular clones may differ from	Insert Size:	531 bp
RNA splicing form or single nucleotide polymorphism (SNP).	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.	OTI Annotation:	



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ORIGENE Vps25	(NM_001173451) Rat Untagged Clone – RN215960
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:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 001173451.1, NP 001166922.1</u>
RefSeq Size:	1090 bp
RefSeq ORF:	531 bp
Locus ID:	681059
UniProt ID:	<u>P0C0A1</u>
Cytogenetics:	10q31
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 (By similarity). The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL.[UniProtKB/Swiss-Prot

Function]

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