OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC113163

VPS35L (NM_020314) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS35L (NM_020314) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS35L
Synonyms:	C16orf62; EC97
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_020314, the custom clone sequence may differ by one or more nucleotides

ATGGCGCCGGCGGGAGTTGTAACCCGGGCTGTCCGGAGCGGGGAGCTGCCCCTCACAAGCATGGCGTCAG
CTGAAAATGAAGCCTGTGCTGTGCGGAGCGTCGCCTGCCCCTCACAAGCATGGCGTCTGCAGAAGGTGCT
GTGCGGCCGCTGCGGGGCGGCCAGCTGCCCTTCACAAACATGGCGGCCGAGGGGTGCGGGGAGTGGCGGG
GTAAGGATGGGAAGCCGAGCAGACGGCCCCAGAACAAGCGGTCATGTGACTGGGAAGATGGCCGTCTTTC
CTTGGCACTCCAGGAATAGGAACTACAAAGCTGAATTTGCATCATGCCGACTGGAGGCTGTACCATTGGA
GTTTGGGGACTATCACCCTCTGAAACCCATAACTGTCACAGAGTCAAAGACAAAGAAAGTGAACCGGAAA
GGAAGCACTTCTTCCACGTCCTCCTCCTCCTCCAGCTCCGTGGTGGACCCGCTGAGCAGCGTCCTCGATG
GGACTGACCCCCTCTCCATGTTTGCAGCCACTGCTGACCCCGCAGCCTTGGCAGCTGCCATGGACAGCTC
CAGAAGGAAACGTGATAGAGATGATAACTCCGTTGTAGGATCGGATTTTGAGCCTTGGACCAACAAACGG
GGAGAAATCCTTGCCCGGTACACCACTACCGAAAAGCTGTCTATTAATCTGTTTATGGGATCTGAAAAAG
GCAAAGCTGGGACTGCCACATTGGCAATGTCAGAGAAGGTGCGGACCCGGCTGGAGGAGCTGGATGACTT
TGAGGAGGGTTCCCAAAAGGAGCTGTTGAACTTGACTCAGCAGGATTACGTGAACCGCATAGAGGAGCTC
AACCAATCGCTGAAGGATGCCTGGGCCTCAGACCAGAAAGTGAAGGCTCTAAAAATAGTCATCCAGTGTT
CAAAGCTTCTTTCAGACACCAGTGTTATTCAGTTCTACCCAAGCAAATTTGTCCTTATCACCGACATACT
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GATCACTTTTCTCCAGAGAATGCAAATGACACGGCCAAGGAAACATGCCTAAATTGGTTTTTCAAGATTG
CCTCCATCAGGGAACTCATTCCAAGATTTTACGTGGAGGCATCCATCCTGAAATGTAACAAATTCCTCTC
CAAAACGGGAATTTCAGAGTGCCTGCCCCGGTTGACATGCATGATCAGAGGGATCGGAGACCCACTAGTG
TCGGTGTATGCCCGTGCCTACCTGTGCCGGGTGGGAATGGAAGTGGCCCCACATCTCAAAGAAACCCTAA
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GGTCCAAGGAGTGGAGCTCCCATCTTACCTCCCCTTGTACCCGCCTGCCATGGACTGGATCTTCCAGTGC
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TGGCATGATTAAAGAGTGTGATGAATCTGGTTTCCCCAAGCATCTTCTTTTTCGATCACTGGGATTAAAC
TTGGCCTTGGCTGATCCTCCTGAGAGTGACCGACTTCAGATTCTCAACGAAGCTTGGAAAGTCATCACTA
AGCTGAAGAACCCACAGGACTACATTAATTGTGCCGAAGTGTGGGTGGAATACACCTGCAAGCATTTCAC
GAAACGAGAGGTGAATACCGTTTTGGCAGATGTCATCAAGCACATGACTCCAGATCGTGCATTTGAAGAT
TCCTACCCCCAGCTTCAGTTAATAATTAAGAAAGTTATTGCCCACTTCCATGACTTCTCAGTTCTTTTCT
CAGTGGAAAAATTTCTGCCGTTTCTGGACATGTTCCAAAAAGAGAGTGTGCGGGTGGAGGTTTGCAAATG
CATCATGGACGCCTTTATCAAGCATCAACAAGAGCCCACCAAGGACCCGGTCATCTTGAATGCCCTTTTG
CATGTTTGCAAGACCATGCATGACTCTGTGAATGCACTCACTCTTGAGGATGAGAAAAGAATGCTGTCAT
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GCAATGGAGACAAGAAAAGTAATGAAAGGAAATCATTCCAGAAAGACAGCTGCATTTGTCCGGGCCTGTG
TTGCCTACTGCTTCATCACCATCCCCTCCCTGGCGGGCATCTTCACACGTCTCAATCTCTACCTGCATTC
TGGTCAGGTGGCCTTGGCCAACCAGTGCCTCTCCCAAGCTGATGCTTTTTTCAAAGCCGCTATAAGCCTT
GTTCCGGAAGTTCCAAAGATGATTAATATTGATGGGAAGATGCGGCCATCGGAATCGTTCCTTCTGGAAT
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ACCTGCGTCCTGCATCTCCTCTCCGCCATGAGCCAGGAGACGTACCTTTACCACATAGACAAAGTGGACT
CCAACGACAGCCTCTACGGGGGAGACTCCAAGTTCCTGGCAGAAAACAACAAGCTGTGTGAGACGGTGAT
GGCTCAGATCCTAGAGCATCTGAAAACCCTGGCCAAGGACGAGGCCCTGAAGCGCCAGAGCTCGTTGGGC
CTTTCCTTCTTTAACAGCATCTTGGCCCATGGGGACCTACGCAACAACAAGCTCAACCAGCTCTCCGTCA
ACCTGTGGCACCTGGCACAGAGGCACGGCTGTGCAGACACCAGGACCATGGTGAAAACGCTAGAATACAT
CAAGAAGCAAAGCAAACAACCAGACATGACTCATCTGACGGAGCTGGCCCTCAGACTCCCTCTGCAAACA
AGGACCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020314 unedited
GTAATACGACTCACTATAGGGCGGCCGCGCCTCGTGCCGAATTCGGCACGAGGGCCGTCT
TTCCTTGGCACTCCAGGAATAGGAACTACAAAGCTGAATTTGCATCATGCCGACTGGAGG
CTGTACCATTGGAGTTTGGGGACTATCACCCTCTGAAACCCATAACTGTCACAGAGTCAA
AGACAAAGAAAGTGAACCGGAAAGGAAGCACTTCTTCCACGTCCTCCTCCTCCTCCAGCT
CCGTGGTGGACCCGCTGAGCAGCGTCCTCGATGGGACTGACCCCCTCTCCATGTTTGCAG
CCACTGCTGACCCCGCAGCCTTGGCAGCTGCCATGGACAGCTCCAGAAGGAAACGTGATA
GAGATGATAACTCCGTTGTAGGATCGGATTTTGAGCCTTGGACCAACAAACGGGGAGAAA
TCCTTGCCCGGTACACCACTACCGAAAAGCTGTCTATTAATCTGTTTATGGGATCTGAAA
AAGGCAAAGCTGGGACTGCCACATTGGCAATGTCAGAGAAGGTGCGGACCCGGCTGGAGG
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ACGTGAACCGCATAGAGGAGCTCAACCAATCGCTGAAGGATGCCTGNGCCTCAGACCAGA
AAGTGAAGGCTCTAAAAATAGTCATCCAGTGTTCAAAGCTTCTTTCAGACACCAGTGTTA
TTCAGTTCTACCCAAGCAATTTGTCCTTATCACCGACATACTTGATACATTTGGAAAGCT
CGTGTACGAGCGCATCTTTTNCATGTGTGTGGATAGCCGCAGCGTCTTACAGATCACTTT
TTNCAGAGATGCAATGACACGGCAGGNAACATGCCTAAATGGNTTTCAAGATGCNCTCTC
AGGAACTCATTCA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020314 unedited
GTTTACTAGGACGGGCCGCATCTAAGATCGGTTTTTTTTTTTTTTTTTTAAATGCTCCTT
CAGNACATTTATTCAGTTACTGTATACTGAAGCCACAGAGAATCTCAAATTTGACCTCGC
TTTCTCCTTTGATCCACCAACACAGATTCTAAGTCCAATCAAGAGCTGCTTTTGATAGGA
AAAAGAGTTAATGGAGTGCTATTTCTGCCTTTTATAAATCCTCCATAGGGGTTCAGGTAA
CACAGTTCCAGACTTTGGGTGTGCTCTAACTTTAAGGTACAAAGTCTGGAATGGAATGGG
TCTGGAACAGTGGCACTTTGAAAAGCAGTCCACTTTTAAAGTCCTTATTTCTAAACTATG
AAAAAACAAACACCTTCCAGAGAAGAAAGATGTTACTTGCATTCTTGTTTCTCTCTTGCT
AAAAAGGCCCATCAGATCGGGCTGAGTAGACCGAAGGCCACTTGTGCAAAGACAACACAG
AGACTGCTTCTTAGTGAAGATTGCATTTTAATGCTCTGACAACTCCCATTTCTTCATTGT
CAGAATAACCTGGATAGAGGCCAAAGCTTAAAACAATTTGTACATATGTAAAAAGAAAAG
AAAAATGAGAAACCTAAATTGCCGTAAGAGTTCAAGGCAGCAGAGCAGATCTTTCTGGAT
TTGGCACCAGAGTCCCTGAGCCTGGGGATGGGCCCGGNGGTCANGTCCTTGTTTGCAGAG
GGAGTCTGNAGGCCCCTCCGTCAGAGAGTCATGTCTGGGTGTTTGCTTTGCCTTCTGATG
TATTCTAACGTTTTCACATGGTCCTGGTGTCTGCACACCGTGCCTCTGTGCCAGTTGCAC
AAGTTGACCGAAAGCTGGTGAGCTTGTTGTTGCGTAGGTCCCCATGGGCAAGATGCTGT

Restriction Sites: NotI-NotI

ACCN: NM_020314

Insert Size: 4000 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).

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:	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:	NM_020314.2, NP_064710.2
RefSeq Size:	3894 bp
RefSeq ORF:	3894 bp
Locus ID:	57020
UniProt ID:	Q7Z3J2
Cytogenetics:	16p12.3
Gene Summary:	Acts as component of the retriever complex. The retriever complex is a heterotrimeric complex related to retromer cargo-selective complex (CSC) and essential for retromer-independent retrieval and recycling of numerous cargos such as integrin alpha-5/beta-1 (ITGA5:ITGB1) (PubMed:28892079). The recruitment of the retriever complex to the endosomal membrane involves CCC and WASH complexes (PubMed:28892079). In the endosomes, drives the retrieval and recycling of NxxY-motif-containing cargo proteins by coupling to SNX17, a cargo essential for the homeostatic maintenance of numerous cell surface proteins associated with processes that include cell migration, cell adhesion, nutrient supply and cell signaling (PubMed:28892079). Involved in copper-dependent ATP7A trafficking between the trans-Golgi network and vesicles in the cell periphery; the function is proposed to depend on its association with the CCC complex and cooperation with the WASH complex on early endosomes. Seems not to be required for CCC complex stability (PubMed:25355947). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).