

Product datasheet for SC120157

VPS26B (NM_052875) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS26B (NM_052875) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS26B
Synonyms:	Pep8b
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC120157 sequence for NM_052875 edited (data generated by NextGen Sequencing)

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ATGAGCTTCTTCGGCTTCGGGCAGAGCGTGGAGGTGAAATCCTTCTGAACGATGCAGAG
AGTAGGAAGCGGCCGAGCACAAGACGGAGGACGGGAAGAAGGAGAAATATTTCTCTTC
TACGACGGGGAGACGGTCTCCGGGAAGGTGAGCCTTGCCCTCAAGAACCCCAACAAGCGG
CTGGAGCACCAGGGCATCAAGATCGAGTTCATCGGGCAGATCGAACTCTACTACGATCGC
GGGAACCACCATGAGTTTGTGTCCTGGTGAAGGACCTGGCCCGCCTGGAGAGATCACC
CAGTCGCAGGCCCTTCGACTTTGAGTTTACCCACGTGGAGAAGCCGTATGAGTCCTACACA
GGGCAGAATGTGAAGCTACGCTATTTCTTCGTGCTACCATCAGCCGCCCTCAATGAT
GTTGTCAAAGAGATGGACATTGTAGTTCACACACTCAGCACATACCCAGAGCTGAACTCT
TCCATCAAGATGGAGTTGGGATTGAGGACTGTCTGCACATTGAATTTGAGTACAATAAA
TCCAAATACCACTTGAAAGATGTATTGTAGGGAAGATATACTTCTGCTGGTGAGAATC
AAAATCAAGCACATGGAGATAGACATCATCAAGCGAGAAAACGACGGGTACAGGCCCAAC
GTGTACCATGAGAATGACACGATAGCCAAGTACGAGATCATGGACGGGGCACCAGTGCGA
GGAGAGTCCATCCCGATCCGGCTCTTCTGGCCGGGTATGAGCTCACGCCACCATGCGG
GACATCAACAAGAAGTTCTGTGCGCTATTACCTCAACCTGGTGCTGATAGACGAGGAG
GAGCGGCCTACTTCAAGCAGCAGGAAGTGGTGTGTGGCGGAAGGGTGACATCGTACGG
AAGAGCATGTCCCACCAGCGGCCATCGCCTCACAGCGCTTTGAGGGCACCACCTCCCTG
GGTGAGGTGCGGACCCCCAGCCAGCTGTCTGACAACAACCTGCAGGCAGTAG

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Clone variation with respect to NM_052875.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_052875 unedited NGTTACATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGNAGACCCGCC GGCCCGCGGTGCGATGAGCTTCTTCGGCTTCGGGCAGAGCGTGGAGGTGGAAATCCTTC TGAACGATGCAGAGAGTAGGAAGCGGGCCGAGCACAAGACGGAGGACGGGAAGAAGGAGA AATATTTCTCTTCTACGACGGGAGACGGTCTCCGGGAAGGTGAGCCTTGCCCTCAAGA ACCCAACAAGCGGTGGAGCACCAGGGCATCAAGATCGAGTTCATCGGGCAGATCGAAC TCTACTACGATCGCGGAACCAACCATGAGTTTGTGTCCCTGGTGAAGGACCTGGCCCGGC CTGGAGAGATCACCCAGTCGCAGGCCTTCGACTTTGAGTTTACCCACGTGGAGAAGCCGT ATGAGTCTACACAGGGCAGAATGTGAAGCTACGCTATTTCTTCGTGCTACCATCAGCC GCCGCCTCAATGATGTTGTCAAAGAGATGGACATTGTAGTTCACACACTCAGCACATAACC CAGAGCTGAACCTTCCATCAAGATGGAGTTGGGATTGAGGACTGTCTGCACATTGAAT TTGAGTACAATAAATCCAAATACCACTTGAAAGATGTCATTGTAGGAAGATATACTTCC TGCTGGTGAAGATCAAAATCAAGCACATGGAGATAGACATCATCAAGCGAGAAACGACGG GTACAGGCCCAACGTGTACCATGAGAATGACACGATAGCCAAGTACGAGATCATGGACG GGGCACCAAGTGCAGGAGAAGTCATNCCGATCCGGCTCTTCTGGCCGGGTATGAGTCA CGCCACCATGCGGNACATCANCAGAAGTCTGTGCGCTATACCCTCAACTGGTGTGTA TAGACGAGGAGGAGCGGCTACTTCAGCCAGNAANTGGNTGTGTGGCGGAAGGGTGAC ATCGTC
Restriction Sites:	NotI-NotI
ACCN:	NM_052875
Insert Size:	3500 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:	<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:	NM_052875.2 , NP_443107.1
RefSeq Size:	1617 bp
RefSeq ORF:	1011 bp
Locus ID:	112936
UniProt ID:	Q4G0F5
Cytogenetics:	11q25
Domains:	Vps26

Gene Summary:

Acts as component of the retromer cargo-selective complex (CSC). The CSC is believed to be the core functional component of retromer or respective retromer complex variants acting to prevent missorting of selected transmembrane cargo proteins into the lysosomal degradation pathway. The recruitment of the CSC to the endosomal membrane involves RAB7A and SNX3. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network (TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX3-retromer mediates the retrograde transport of WLS distinct from the SNX-BAR retromer pathway. The SNX27-retromer is believed to be involved in endosome-to-plasma membrane trafficking and recycling of a broad spectrum of cargo proteins. The CSC seems to act as recruitment hub for other proteins, such as the WASH complex and TBC1D5. May be involved in retrograde transport of SORT1 but not of IGF2R. Acts redundantly with VSP26A in SNX-27 mediated endocytic recycling of SLC2A1/GLUT1 (By similarity).[UniProtKB/Swiss-Prot Function]