

Product datasheet for **SC323727**

VPS33B (NM_018668) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS33B (NM_018668) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS33B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_018668.3
 GACAAGGCTGCTCCGAGGTAGTAGCTCTTGCCTGGAGGTGGCCATTTCCTGGAGT
 GCTGCTGAGGAGCGAGGGCCATCTGGGGTCTCTGGAAGTCGGTGCCAGGCCTGAAGGA
 TAGCCCCCTTGCCTCCCTGGGCTGCGGCCGGCCTTCTCAGAACGAAGGGCGTCTTC
 CACCCCGCGGCAGGTGATCGCTGCCATGGCTTTCCCATCGGCCGGACGCCCTGAG
 CTGCCTGACTTCTCCATGCTGAAGAGGCTGGCTCGAGACCAGCTCATCTATCTGTGGAG
 CAGCTTCTGAAAAAAGGATTTATTCATTGAGGCAGATCTCATGAGCCCTTTGGATCGA
 ATTGCCAATGTCTCCATCCTGAAGCAACACGAAGTAGACAAGCTATACAAGGTGGAGAAC
 AAGCCAGCCCTCAGCTCCAATGAACAATTGTGCTTCTTGGTCAGACCCCGCATCAAGAAT
 ATGCGATACATTGCCAGTCTTGTCAATGCTGACAAATTGGCTGGCCGAACCTGCAAAATAC
 AAAGTGATCTTCAGCCCTCAAAAGTTCTATGCGTGTGAGATGGTCTTGAGGAAGAGGGA
 ATCTATGGAGATGTGAGCTGTGATGAATGGCCTTCTCTTTGCTGCCTCTTGATGTGGAT
 CTGCTGAGCATGGAACCTACCAGAATTTTTCAGGGATTACTTTCTGGAAGGAGATCAGCGT
 TGGATCAACACTGTAGCTCAGGCCTTACACCTTCTCAGCACTCTCTATGGACCCTTTCCA
 AACTGCTATGGAATTGGCAGGTGCGCAAGATGGCATATGAATTGTGGAGAACCTGGAG
 GAGGAGGAGGATGGCGAAACCAAGGGCCGAAGGCCAGAGATTGGACATATCTTTCTCTTG
 GACAGAGATGTGGACTTTGTGACAGCACTTTGCTCCCAAGTGGTTTATGAGGGCCTAGTA
 GATGACACCTTCCGCATCAAGTGTGGGAGTGTGCACTTTGGCCAGAAGTCACATCCTCT
 GACAAGAGCCTGAAGGTGCTACTCAATGCCGAGGACAAGGTGTTAATGAGATTCGGAAC
 GAGCACTTCTCCAATGTCTTTGGCTTCTTGAGCCAGAAGGCCCGAACTTGCAGGCCAG
 TATGATCGCCGGAGAGGCATGGACATTAAGCAGATGAAGAATTTTCGTGTCCAGGAGCTC
 AAGGGCCTGAAACAGGAGCACCCTGCTGAGTCTCCATATTGGGGCCTGTGAATCCATC
 ATGAAGAAGAAAACCAAGCAGGATTTCCAGGAGCTAATCAAGACTGAGCATGCACTGT
 GAGGGGTTCAACATCCGGGAGAGCACCAGCTACATTGAGGAACACATAGACCGGCAGGTG
 TCGCCTATAGAAAAGCCTGCGCCTCATGTGCCTTTTGTCCATCACTGAGAATGGTTTGATC
 CCCAAGGATTACCGATCTCTGAAAACACAGTATCTGCAGAGCTATGGCCCTGAGCACCTG
 CTAACCTTCTCCAATCTGCGAAGAGCTGGGCTCCTAACGGAGCAGGCCCCCGGGACACC
 CTCACAGCCGTGGAGAGTAAAGTGAGCAAGCTGGTGACCGACAAGGCTGCAGGAAAGATT
 ACTGATGCCTTCAGTTCTCTGGCCAAGAGGAGCAATTTTCGTGCCATCAGCAAAAAGCTG
 AATTTGATCCCACGTGTGACGGCGAGTATGATCTGAAAGTGCCCGAGACATGGCTTAC
 GTCTTCAGTGGTCTTATGTGCCCTGAGCTGCCGAATCATTGAGCAGGTGCTAGAGCGG
 CGAAGCTGGCAGGGCCTTGATGAGGTGGTACGGCTGCTCAACTGCAGTGACTTTGCATTC
 ACAGATATGACTAAGGAAGACAAGGCTTCCAGTGAGTCCCTGCGCCTCATCTTGGTGGTG
 TTCTTGGGTGGTTGTACATTCTCTGAGATCTCAGCCCTCCGGTTCCTGGGCAGAGAGAAA
 GGCTACAGGTTTATTTTCTGACGACAGCAGTCAAAACAGCGCTCGCCTTATGGAGGCC
 ATGAGTGAGGTGAAAGCCTGATGTTTTTCCCGCCAGTGTGACATCTTCCCTGAACACA
 TTCCTCAGTGAGATGCAGGCATCTGGCACCCAGCTGCTATAACCAAGTGTCCACCAACTA
 CCTGCTAAGAGCCGGGAGCATGGAACGTGTTGGGATTTAGAGAACATTATCTGAGAAAAG
 AGTTCACTTCTGCTCCAGGATATTTCTTTTTCTGTTTATGAAGTACAACCCATGCTG
 CTAAGATGCGAGCAGGAAGAGGCATCCTTTGCTAAATCCTGTTTGAATGTCATTGTAAT
 AAGCCTCTGCTCTCAGATGTAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_018668

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_018668.3 , NP_061138.3
RefSeq Size:	2639 bp
RefSeq ORF:	1854 bp
Locus ID:	26276
UniProt ID:	Q9H267
Cytogenetics:	15q26.1
Domains:	Sec1
Gene Summary:	<p>Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene is a member of the Sec-1 domain family, and encodes the human ortholog of rat Vps33b which is homologous to the yeast class C Vps33 protein. The mammalian class C vacuolar protein sorting proteins are predominantly associated with late endosomes/lysosomes, and like their yeast counterparts, may mediate vesicle trafficking steps in the endosome/lysosome pathway. Mutations in this gene are associated with arthrogryposis-renal dysfunction-cholestasis syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>