

Product datasheet for **SC114392**

VPS29 (NM_016226) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS29 (NM_016226) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS29
Synonyms:	DC7; DC15; PEP11
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114392 sequence for NM_016226 edited (data generated by NextGen Sequencing) ATGTTGGTGGTATTAGGAGATCTGCACATCCACACCCGGTGCAACAGTTTGCCAGCT AAATTCAAAAAATCCTGGTGCCAGGAAAAATTCAGCACATTCTCTGCACAGGAAACCTT TGCACCAAAGAGAGTTATGACTATCTCAAGACTCTGGCTGGTGATGTTTCATATTGTGAGA GGAGACTTCGATGAGAATCTGAATTATCCAGAACAGAAAGTTGTGACTGTTGGACAGTTC AAAATTGGTCTGATCCATGGACATCAAGTTATTCCATGGGGAGATATGGCCAGCTTAGCC CTGTTGCAGAGGCAATTTGATGTGGACATTCTTATCTCGGGACACACACAAAATTTGAA GCATTTGAGCATGAAAAATAATTCTACATTAATCCAGGTTCTGCCACTGGGGCATATAAT GCCTTGAAAACAAACATTATTCCATCATTGTGTTGATGGATATCCAGGCTTCTACAGTG GTCACCTATGTGTATCAGCTAATTGGAGATGATGTGAAAGTAGAACGAATCGAATACAAA AAACCTTAA

Clone variation with respect to NM_016226.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016226 unedited</p> <pre> CGGTGCAGCAATTGTAACGACTCACTATAGGCGGCCCGGAATTCGCACGAGGCGGCGA CGGTGGTGGTACTGAGCGGAGCCCGGTGACAGGATGTTGGTGTGGTATTAGGAGATCT GCACATCCACACCGGTGCAACAGTTTGGCAGCTAAATTCAAAAAATCCTGGTGCCAGN GAAAAATTCAGCACATTTCTGCACAGGAAACCTTGCACCAAAGAGAGTTATGACTATC TCAAGACTCTGGCTGGTGTATTTTATTTGTGAGAGGAGACTTCGATGAGAATCTGAATT ATCCAGAACAGAAAGCTGCGACTGTTGGACAGTTCAAAAATGGTCTGATCCATGGACATC AAGTTATTCCATGGGGAGATATGGCCAGCTTAGCCCTGTTGCAGAGGCAATTTGATGTGG ACATTCTTATCTCGGGACACACACAAAAATTTGAGCATTGAGCATGAAAAATAATTCT ACATTAATCCAGTTTCTGCCACTGGGCGATATAATGCCTTGAAACAAACATTATTCCAT CATTTGTGTGATGGATATCCAGGCTTCTACAGTGGTCACCTATGTGTATCAGCTAATTG GAGATGATGTAAAGTAGAACGAATCGAATACAAAAACCTTAAAGCCAGGCCTGTCTTG ATGATTTTGGCTTTTCTTATTGCTGCGAAATCAAGTACTTAAACATTTAACAGCC ACACAATGTATCACTTTTATAATTTTTGCAGTAAAAATAATACCATTTTCTCTGTTA TACATAATTGCTCCACCTCCTGTAACCATAAGAATAATTTAGTTTACAGATATGGATCT CTATGAAAAATGTCCACACAGTAATTGGTCACTTGCAAAAAAATTATCCTTGAAGT ATCT </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016226 unedited</p> <pre> GGAAGAGTCTTGTATTACTGGNANANANAAAAATGTATACAAGAAAGTCTAGATTCTT TCTCCACATGCACTACTTTTGAATAAAGTTCCAAATATCAACTTTGAAGATACTTACAA GGATAAATTTTTCTTAAACAAGTGACCAATTACTGTGTTGGACATTTTTTTCATAGAATC CATATACTGTAACTAAATATATTCTTATAGTTTACAGGAAGCTTGGAGCAATTATGTAT TAACAGAGAAGATGGTATTATATTTTACTGCAAAATATTAAAAAGTGATACAATTTGT GGCTCTTAAATGTTAATTACTTGATTTCAACAGGACAATGAAAAAAACCAAAAAATCAT CAAGACAGGCCTGGCTTTAAGGTTTTTGTATTGATTGCTTCTACTTTTACATCATCTC CAATTAGCTGATACATAGGTGACCACTGTAGAAGCCTGGATATCCATCAACACAAATG ATGGAATTAATGTTTGTTCGAAGCATTATATGCCCCAGTGGCAGAACCTGGATTAATG TAGAATTTATTTTTCATGCTCAAATGCTTCAAATTTGTGTGTGTGTCCCGAGATAAGAATG TTCACATCAAATGCTCTGCAACAGGGCTAAGCTGGCCATATCTCCCCATGGAATAACT TGATGTCCATGGATCAGACCAATTTGCAACTGTCCAACAGTCAACAACNTCTGTCTGGA ATATTCAGATTCTCATCGAGTCTCCTCTCACATATGAACATCACCAGCCAGAGTCTTGAG ATAGTCATAACTCTTTTGGTGCAGGTTTCTGTTGAAAGAAATGTGCTGAATTTTCC TGGCACCAGAATNTTTGAATTTACCTGCCAAGTGGTGGCCCGTTGTGGATGTGACGATT TTCTAACCAAAACCAAACTGTACAGGCTCCCTTATAACCACCACCTTTCCGCTTTGCCGA ATCCGGCCGCCATTTAGAGGTTAACAATTGTACGTTCTTAAAAAT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016226
Insert Size:	1070 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_016226.2](#), [NP_057310.1](#)

RefSeq Size: 1095 bp

RefSeq ORF: 549 bp

Locus ID: 51699

UniProt ID: [Q9UBQ0](#)

Cytogenetics: 12q24.11

Domains: Metallophos

Gene Summary: This gene belongs to a group of vacuolar protein sorting (VPS) genes that, when functionally impaired, disrupt the efficient delivery of vacuolar hydrolases. The protein encoded by this gene is a component of a large multimeric complex, termed the retromer complex, which is involved in retrograde transport of proteins from endosomes to the trans-Golgi network. This VPS protein may be involved in the formation of the inner shell of the retromer coat for retrograde vesicles leaving the prevacuolar compartment. Alternative splice variants encoding different isoforms and representing non-protein coding transcripts have been found for this gene. [provided by RefSeq, Aug 2013]

Transcript Variant: This variant (1) lacks two alternate exons compared to variant 3. The resulting isoform (1) has a shorter and distinct N-terminus compared to isoform 3.