

Product datasheet for SC123493

VPS29 (BC032462) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: VPS29 (BC032462) Human Untagged Clone
Tag: Tag Free
Symbol: VPS29
Synonyms: PEP11; vacuolar protein sorting 29; vacuolar protein sorting 29 homolog (S. cerevisiae)
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC032462 edited
 GTGGGCGGGTCGCCGAGGAGCCTGAGGAAGAGGGCGGCGACGGTGGTGGTACTGAGCGG
 AGCCCGGTGACAGGATGGTGAGGGCTGCAGTTGCGGCGACCAAGGCCTGGCTCTCGGGT
 GGGTGCTGCGTTGTTGGGAGCCGTGGGGAGGCCGAGGGCGAGGAATTGGGAAATCCCGGA
 GGCTCGGCGTCAAGGCCAGGGCTGGCTGGGAAAGGCCAGAAAGAGTCTAGGGAAG
 GAAGGGAGCGGCCACCTCTGGGTGCGGCTGGCCTAGGTCTCGTATCCCGGCCCAAGGGG
 CCAGAGGCCATCCAAGGGTAAAAGGCCCTCTAGCAGCCGACCTGTCAGGAGACAG
 CACGCCGAGCCAGGGAAGGCCCTTTGGTCTATACCTCGAATGTTCCGGGGATAGGGGCA
 CGGTCTCCGTTCCAGACGGTCTACTCGTTCCCGCAAAAAGCACCTCCCGTGGTT
 GGGGTGTAGTGGTGAAGCTGGCCTCTCGGATGCAGAACAGGAAGTAGCGAGCAGAATTT
 CGTACCCGTTAACTTTGCCATCTAGGGAAGGGAATAAACACCCTCCTCGCTCCTGAA
 ATAACTCTAGCTGCCATTGAGATGAGCAGGTGTCTCTCAGAGGGCGGGATTTGGCGCT
 TGCAATTGCTGGAAGTGTCTTTCCACGGGTGCTACGCCTCTTTAGGGTAGGATTCCT
 TAATGATGTGGAAGTCAATGAACTGTTGGGAAATTTTGTGAATATACACATTTTCT
 GGGGAGAGTGCCGGTGTGGAGACTTACCTAGTCTCCCCAGCCACCTTCAAGCAATCAC
 CCCTTCAACCCAGTAGTTTGGTGCCCTCAGACCTTCTACATAAAAAGTGGGGCCTC
 TACTAGAGAGGACTCAGAGCTGTAATCATATTTCTTTCTTTTCTTTTGGATGGAGTCT
 CGCTCTGTGCCCCAGGCTGGAGTGCAATGCCGATCTCGGCTCACTGCAATGCCGCCG
 GGTTCAAGCCTCAGCTCCTGCCTCAGCCTCCCGAGTAGTGGGATTACAGGCGCCCGCCA
 CCAAGCCGCTCAAATTTTGTATTTTGTAGTAGAGACGGGGTTTACCATGTTGGTCAGG
 CTGGTCTTACCTCCCGACCTCAGATGATCCACCCGCTCGGCCTCCCAAAGTGCTGGGG
 TTACAGGCGTGAGCCACCGCGCCCGCCTGTAATCATATTTTCAAAGGTGCCTTTGACTC
 TTAAGGAGTCAATTGTTGGGGCAACCCACTCGGGTCCCCTTCCACCCTGTGAAGCTTT
 GTTCTTTGCTCTTACAATAAATCTTGCTGCTGCTCAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA
 AA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC032462 unedited NGGTTCAACATTTGTAATACGACTCACTATAGGNNCGGCCGCGNAATCCCGGGNTGTG GGCGGGTCGCCGAGGAGCCTGAGGAAGAGGGCGGCGACGGTGGTGGTACTGAGCGGAGC CCGGTGACAGGATGGTGAAGGCTGCAGTTGCGGCGACCAAGGCCTGGCTCTCGGGTGGGG TGCTGCGTTGTTGGGAGCCGTGGGGAGGCCGAGGGCGAGGAATTGGGAAATCCCGGAGGC CTCGGCGTCAGGGCCCAGGCGCTGGCCTGGGAAAGGCCAAGAAGGTCTAGGGAAGGAA GGGAGCGGCCACCTCTGGGTGCGGCTGGCCTAGTCTCGTATCCCGGCCCAAGGGGCCA GAGGCCATCCAAGGGTAAAAAGGCCCTCTAGCAGCCGACCTGTCACGAGACACGCAC GCCCGAGCCAGGGAAGGCCTTTGGTCTATACCTCGAATGTTCCGGGGATAGGGGCACGG TCCTCCGTTTCCAGACGGTTCCTACTCGTTTCCCGCAAAAAGCACCTCCCGCTGGTTGGG GTGTAGTGGTGAAGCTGGCCTCTCGGATGCAGAACAGGAAGTAGCGAGCAGAATTCGT ACCCGTTAACTTGGCATCTAGGAAAGGGAATAAACCCACCTCCTCGCTCCTGAAATA ACATCTAGCTGCCATTGAGATGAGCAGGTGTGCTCTCAGAGGGCGGGATTGGCGCTTGC AATTGCTGGAAGTGTTCCTTCCACGGGTGCTACGCCTTTTAGGGTANGATTCCTTAA TGATGTGTAAGTCAATTGAAANCTGTTGAAAAATTTGTGAATATACACATTTTTCTGGN GAGAGTGCCCGTGTGGAGACTTACTAGTCTCCCCAGCCACCTTCAAGACATCACCC CTCACCCCCAGTATTTGGTGCCCTCAGACCTTCTAC
Restriction Sites:	Please inquire
ACCN:	BC032462
Insert Size:	1493 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:	BC032462.1 , AAH32462.1
RefSeq Size:	1493 bp
Locus ID:	51699
Cytogenetics:	12q24.11

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]