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Product datasheet for SC108738

VPS54 (NM_016516) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS54 (NM_016516) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS54
Synonyms:	HCC8; hVps54L; PPP1R164; SLP-8p; VPS54L; WR
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC108738 sequence for NM_016516 edited (data generated by NextGen Sequencing)

ATGGCTTCAAGCCACAGTTCTTCACCAGTGCCTCAAGGAAGCAGCAGTGATGTTTTCTTT
AAAATAGAGGTAGATCCGTCAAAACACATTCGACCTGTGCCATCACTGCCAGATGTGTGT
CCCAAGGAACCCACAGGTGATTCACATAGTTTATATGTTGCCCCATCTCTAGTTACAGAT
CAACATAGATGGACTGTATATCATTCCAAAGTAAATCTCCCAGCAGCATTAAACGATCCT
AGATTAGCAAAAAGAGAATCTGACTTCTTCACAAAAACATGGGGATTGGACTTTGTGGAC
ACTGAAGTCATACCTTCATTCTACCTCCCACAGATCAGCAAGGAACATTTTACAGTATAT
CAACAGGAAATCTCTCAGAGAGAGAAGATTCATGAGAGATGCAAGAATATTTGTCCTCCT
AAAGATACCTTCGAAAGGACTCTTTTACATACTCATGATAAATCCAGGACAGATCTGGAG
CAAGTACCTAAGATTTTTATGAAACCAGATTTTGCCTTGGATGATTCCTTAACTTTTAAT
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TCCTCAAAGTTGCTTCAAGAAAAGCTGAGCCATTATCTGGATATTGTGGAAGTAAACATT
GCTCACCAGATCTCTCTACGTTCAGAAGCATTTTTTCATGCAATGACCTCTCAACACGAG
TTGCAGGACTACCTCAGGAAAACTTCCCAGGCTGTAAAAATGCTTCGAGATAAAATTGCA
CAGATTGATAAAGTAATGTGTGAAGGATCACTCCACATTTTAAGACTGGCACTTACCAGA
AATAATTGTGTTAAAGTATACAATAAGCTGAAGTTAATGGCCACTGTACACCAGACTCAG
CCTACAGTACAGGTGTTATTATCTACTTCTGAATTTGTTGGAGCATTGGACTTAATAGCA
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TTCCTACAGAGAGTGAAGGCAACATTAAATATCATTCACAGTGTTGTTCTCTCAGTTCTT
GACAAAAACCAAAGGACTAGAGAATTGGAAGAGATTTCACAACAGAAGAATGCTGCAAAA

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GATAATTCACTGGACACAGAGGTGGCTTATTTAATCCATGAAGGCATGTTTATAAGTGAT
GCATTCGGTGAGGGTGAGCTAACACCTATAGCAGTTGACACTACCTCTCAAAGAAATGCA
TCTCCAAATAGTGAGCCCTGCAGCAGTGATTCTGTATCCGAGCCAGAATGTACTACTGAT
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CAAAATGGGTTGGTCACAGCAGATGTAGCTTTTTACACTGGAAATCTTCAAGCCTTAAAA
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Clone variation with respect to NM_016516.2

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016516 unedited
NGGTTTTCAGGATTTGTATACGACTCATATAGGGCGGCCGCGAATTCGCACCAGGCCACC
TCTCACCCCTGAGTGAAGCTGGGCTCGAGAGGGCGGCCCTGTGCTCCCCGGGCCGACTGG
CCAGCGGGCGCGGGGCGGGGGCGGGAACCCGGGCTCGGGCCCGGCCGGGCGCCGGGCGGC
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TAGGCCTCGCTCAGGGCGGCTGCCCCGGGACCCGCAGTTGAGTGGTGATTTTATGCAATG
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GATACCTTCGAAGGACTCTTTTCATACTCATGATAAATCCAGGACAGATCTGGAGCCAGT
ACCTAAGATTTTATGAAACCAGATTTGCCTCGGATGATCTCTTAACTTTAATNCAGTTTT
CCATGGNCTCATTTTATACTGCTGGNGGNAAAGGAATTCGGAGCAGCTCCTTAAGTTGA

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_016516 unedited
CTTTGGACCGGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTAATTTT
TTACAGCTTTATTTTAGACAGATAGTTTAAGAACCAAAGACATACCTCTGTAATGATAAA
GGAAAGAAAACAAGCTTTCCTTTTAAGAAACCAAAGAGCACAAAATAAGACTGTTTCATT
ATACATAATCACCACAGGATATTAGGCACTCTGACAGGGTTAGGCAAGATTCTTGGTGTG
AGGTGAAGCACAGGCACTTTATTTGTACAGTGCTGCTGATTCTAATTTTGAAGGTAGGTA
TTATAAAAGTCTTTACTTGTCACCTTATTTCTGGCCCCAACACAGCAGCCTATAGTTTTA
AAAGTTCTGTTTCTCCCTGGTCTTTGTTCGTATACACATCGAAAGTAACTTAAAAACAAG
GATCCAAGGGGGCCATACTTCATATGTTATCTAAATGTTAATATGAGAACTCAAAAGTAG
GCAGATTATATGAATACATATTCTTACCTCTGCTACAAATAAAAACACCCCAAACCCTTC
ATCATACTTTTATAAAAATACAGATATTAAACTGTAGCCTTTTATATACCATTTCTGAAA
AGTATTTAGTTGCATAAATAGATGCCAGGATCTTTTTTTTTAAGTATTAATTACTTAAAA
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CGTGGTAGTAAAAATATTAAATATGGCACACACAAGCCCTGCAACTTGACACTGGCTCAC
TGAAACAAACATTGAATTCCTAAATCCCAACCATCCAAAGATGTTTATTTTTTATAGAAA
GATCTGTAAACAAAATATAAATTTCTCAACCGCTTTTACTTTCATAGAAAAAACTTCTAC
AGAAGGTGACTAACACTTTAAATGTACCATCATTAATAGGGCGGGACACCTTTGAATTTC
TTGCCCTGAAAAATGCAAACATTTTAATTTAAATT
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Restriction Sites: NotI-NotI

ACCN: NM_016516

Insert Size: 4640 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_016516.2, NP_057600.2

RefSeq Size: 3994 bp

RefSeq ORF: 2934 bp

Locus ID: 51542

UniProt ID: Q9P1Q0

Cytogenetics: 2p15-p14

Gene Summary: This gene encodes for a protein that in yeast forms part of a trimeric vacuolar-protein-sorting complex that is required for retrograde transport of proteins from prevacuoles to the late Golgi compartment. As in yeast, mammalian Vps54 proteins contain a coiled-coil region and dileucine motifs. Alternative splicing results in multiple transcript variants encoding different isoforms [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1).