

## Product datasheet for **SC114425**

### VPS28 (NM\_016208) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VPS28 (NM_016208) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS28
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114425 sequence for NM_016208 edited (data generated by NextGen Sequencing)

```
ATGTTTCATGGGATCCCAGCCACGCCGGGCATAGGAGCCCTGGGAACAAGCCGGAGCTG
TATGAGGAAGTGAAGTTGTACAAGAACGCCCGGAGAGGGAGAAGTACGACAACATGGCA
GAGCTGTTTTCGGTGGTGAAGACAATGCAAGCCCTGGAGAAGGCCTACATCAAGGACTGT
GTCTCCCCCAGCGAGTACTGACGCTGCTCCCGGCTCCTGGTCCAATACAAAGCTGCC
TTCAGGCAGGTCCAGGGCTCAGAAATCAGCTCTATTGACGAATTCTGCCGCAAGTTCCGC
CTGGACTGCCCGCTGGCCATGGAGCGGATCAAGGAGGACCGCCCATCACCATCAAGGAC
GACAAGGGCAACCTCAACCGCTGCATCGCAGACGTGGTCTCGCTTTCATCACGGTCATG
GACAAGCTGCCCTGGAGATCCGCGCCATGGATGAGATCCAGCCCGACCTGCGAGAGCTG
ATGGAGACCATGCACCGCATGAGCCACCTCCCACCCGACTTTGAGGGCCGCCAGACGGTC
AGCCAGTGGCTGCAGACCCTGAGCGGCATGTCGGCGTCAGATGAGCTGGACGACTCACAG
GTGCGTCAGATGCTGTTGACCTGGAGTCAGCCTACAACGCCCTTCAACCGCTTCTGCAT
GCCTGA
```

Clone variation with respect to NM\_016208.2



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_016208 unedited</p> <pre> NGGTTACATTTGTATACGACTTACTATAGGGCGGCCGGAATTCGCACGAGGCCTCGTG CCGAATTCGGCACGAGGCCCGCCCGGCCATCTTCCCGACCGGAGCCGTCCAGGTCTC AGTGCTGTGCCCCCCCAGAGCCTAGAGGATGTTTCATGGGATCCCAGCCACGCCGGCA TAGGAGCCCTGGGAACAAGCCGGAGCTGTATGAGGAAGTGAAGTTGTACAAGAACGCC GGGAGAGGGAGAAGTACGACAACATGGCAGAGCTGTTTGGGTGGTGAAGACAATGCAAG CCCTGGAGAAGGCCTACATCAAGGACTGTGTCTCCCCAGCGAGTACACTGCAGCCTGCT CCCGGCTCCTGGTCCAATACAAAGCTGCCTTCAGGCAGGTCAGGGCTCAGAAATCAGCT CTATTGACGAATTCTGCCGAAGTTCCGCCTGGACTGCCCGCTGGCCATGGAGCGGATCA AGGAGGACCGGCCATCACCATCAAGGACGACAAGGGCAACCTCAACCGTGCATCGCAG ACGTGGTCTCGCTTTCATCACGGTCATGGACAAGCTGCGCCTGGAGATCCGCGCCATGG ATGAGATCCAGCCGACCTGCGAGAGCTGATGGAGACCATGCACCGCATGAGCCACCTCC CACCCGACTTTGAGGGCCGCCAGACGGTCAGCCAGTGGTGCAGACCCTGAGCGGCATGT CGGCGTCAGATGAGCTGGACGACTCACAGGTGCGTCAGATGCTGTTCGACCTGGAGTCAG CCTACAACGCCTTTCACCGCTTNTGTCATGCCCTGAGCCCGGGCACTAGCCCTTGACAGA AGGCAGAGTCTGAGGCGATGGCTCCTGGTCCCCTGTCCGCCACACAGCCGTGGTCATCCC N </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_016208 unedited</p> <pre> GCCCCAGCAGGAGGTCCGNANAGCTCTTTATTGTGGGGGAGGGGGGCCCGCCCCAAA GTTCTGACACAAAGACAGACACCAGACAGGCAGCTGCAGACAGTGAGTTGTGTGGATGA CCACGGCTGTGTGGCGGACAGGGGACCAGGAGCCATCGCCTCAGACTCTGCCCTTCTGT GCAAGGGCTAGTGCCCCGGGCTCAGGCATGCAGGAAGCGGTTGAAGGCGTTGTAGGCTGA CTCCAGTTCGAACAGCATCTGACGCACCTGTGAGTCGTCAGCTCATCTGACGCCGACAT GCCGCTCAGGGTCTGCAGCCACTGGCTGACCGTCTGGCGGCCCTCAAAGTCGGGTGGGAG GTGGCTCATGCGGTGCATGGTCTCCATCAGCTCTCGCAGGTCCGGCTGGATCTCATCCAT GGCGCGGATCTCCAGGCGCAGCTTGCCATGACCGTGATGAAGAGCGAGACCACGTCTGC GATGCAGCGGTTGAGGTTGCCCTTGTCTGCTTGTGATGGTGGTGGGCGGCTCCTTGTAT CCGCTCCATGGCCAGCGGGCAGTCCAGGCGGAACCTGCGGCAGAAATCGTCAATAGAGCT GATTTCTGAGCCCTGGACCTGCCTGANAGCAGCTNTGTATTGGACCAGGAGCCGGGAGCA GGCTGCAGTGTACTCGTGGGGGAGACACAGTCCCTTGTAGGCTTCTCCAGGCTTG CATTGTCTTACCACCGCANACAGCTCTGCCATNGTGTGCTACTTNTCCTCTNCCCGGG CGTNTGTACAACCTTCACTTNTCATAACAGCTCCGGCTTGTCCAGGGGCTCTATGNC CCGCGTGGCTGGGATCCCATGAAACATNCCTCTAGCTCTGGNNGGGGACAGCACTGAAA CCTGNNACGCTCGCGGTCCGNAAGATGCCCGGGGGCGCCTCGTGCCGAAATCGCACGAG CCTNTGCCNCGATCNGGG </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016208
<b>Insert Size:</b>	1150 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_016208.2](#), [NP\\_057292.1](#)

**RefSeq Size:** 1065 bp

**RefSeq ORF:** 666 bp

**Locus ID:** 51160

**UniProt ID:** [Q9UK41](#)

**Cytogenetics:** 8q24.3

**Domains:** VPS28

**Protein Pathways:** Endocytosis

**Gene Summary:** This gene encodes a protein subunit of the ESCRT-I complex (endosomal complexes required for transport), which functions in the transport and sorting of proteins into subcellular vesicles. This complex can also be hijacked to facilitate the budding of enveloped viruses from the cell membrane. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).