

## Product datasheet for **SC334516**

### VPS29 (NM\_001282150) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VPS29 (NM_001282150) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS29
Synonyms:	DC7; DC15; PEP11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282150, the custom clone sequence may differ by one or more nucleotides

ATGAGCAGGTGTGCTCTCAGAGGGCGGGATTTGGCGCTTGCAATTGCTGGAAGTGTTCCTTCCACGGGT  
 TGCTACGCCTCTTTAGGGCTGGGCACAGATTGGTGTGGTATTAGGAGATCTGCACATCCCACACCGGTG  
 CAACAGTTTGCCAGCTAAATTCAAAAACTCCTGGTGCCAGGAAAAATTCAGCACATTCTCTGCACAGGA  
 AACCTTTGCACCAAGAGAGTTATGACTATCTCAAGACTCTGGCTGGTGATGTTTCATATTGTGAGAGGAG  
 ACTTCGATGAGAATCTGAATTATCCAGAACAGAAAGTTGTGACTGTTGGACAGTTCAAAATTGGTCTGAT  
 CCATGGACATCAAGTTATTCCATGGGGAGATATGGCCAGCTTAGCCCTGTTGCAGAGGCAATTTGATGTG  
 GACATTCTTATCTCGGGACACACACAAATTTGAAGCATTTGAGCATGAAAATAAATTCTACATTAATC  
 CAGGTTCTGCCACTGGGGCATATAATGCCTTGAAACAAACATTATTCCATCATTTGTGTTGATGGATAT  
 CCAGGCTTCTACAGTGGTCACCTATGTGTATCAGCTAATTGGAGATGATGTGAAAGTAGAACGAATCGAA  
 TACAAAAACCTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282150
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).


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**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\\_001282150.1](#), [NP\\_001269079.1](#)

**RefSeq Size:** 1296 bp

**RefSeq ORF:** 645 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]  
 Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (3).