

Product datasheet for **SC126952**

VPS29 (NM_057180) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS29 (NM_057180) 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:	>NCBI ORF sequence for NM_057180, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGGGCACAGATTGGTGTGGTATTAGGAGATCTGCACATCCCACACCCGGTCAACAGTTTGCCAG
CTAAATTCAAAAAATCCTGGTGCCAGGAAAAATTGAGCATTCTCTGCACAGGAAACCTTTGCACCAA
AGAGAGTTATGACTATCTCAAGACTCTGGCTGGTGTGTTGATGTTGATGAGAGGAGACTTCGATGAGAAT
CTGAATTATCCAGAACAGAAAGTTGTGACTGTTGGACAGTTCAAATTTGGTCTGATCCATGGACATCAAG
TTATCCATGGGGAGATATGGCCAGCTTAGCCCTGTTGCAGAGGCAATTTGATGTGGACATTCTTATCTC
GGGACACACACAAAATTTGAAGCATTTGAGCATGAAAAATAATCTACATTAATCCAGGTTCTGCCACT
GGGGCATATAATGCCTTGAAACAAACATTATTCCATCATTTGTGTTGATGGATATCCAGGCTTCTACAG
TGGTCACCTATGTGTATCAGCTAATTGGAGATGATGTGAAAGTAGAACGAATCGAATACAAAAACCTTA
A
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_057180 unedited ATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAAGAGGGCGGGC ACGGTGGTGGTACTGAGCGGAGCCCGGTGACAGGATGGCTGGGCACAGATTGGTGTGG TATTAGGAGATCTGCACATCCCACACCGGTGCAACAGTTTGCCAGCTAAATTCAAAAAC TCCTGGTGCCAGGAAAAATTCAGCACATTCTCTGCACAGGAAACCTTTGCACCAAAGAGA GTTATGACTATCTCAAGACTCTGGCTGGTGATGTTTCATATTGTGAGAGGAGACTTCGATG AGAATCTGAATTATCCAGAACAGAAAGTTGTGACTGTTGGACAGTTCAAATTTGGTCTGA TCCATGGACATCAAGTTATTCCATGGGGAGATATGGCCAGCTTAGCCCTGTTGCAGAGGC AATTTGATGTGGACATTCTTATCTCGGGACACACACAAATTTGAAGCATTGTGACATG AAAATAAATTCTACATTAATCCAGGTTCTGCCACTGGGGCATATAATGCCTTGGAAACAA ACATTATCCATCATTGTGTTGATGGATATCCAGGCTTCTACAGTGGTCACCTATGTGT ATCAGCTAATTGGAGATGATGTGAAAGTAGAACGAATCGAATACAAAAACCTTAAAGCC CAGCCTGTCTTGATGATTNTTGGGTTTTTTTCATTGGCCTGTTGAAATCAAGTAATTA CATTAAAGAGCCANAAAAAAAAAAAAAAAACTCGACTCTAGATTGGCGCCGCGTCATAGC TGTTNCCTGAACAGACCCGGNTGGCATCCNTGTGACCCCTCCCAGTGCCTCTCTGGCNC CTGGAGNTGCCACTCAGTGCCACAGCCTTGCCTAATAAATAAAGTGCATCATTGTCT GC
Restriction Sites:	NotI-NotI
ACCN:	NM_057180
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:	<u>NM_057180.1</u> , <u>NP_476528.1</u>
RefSeq Size:	1107 bp
RefSeq ORF:	561 bp
Locus ID:	51699
UniProt ID:	<u>Q9UBQ0</u>
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 (2) lacks an alternate exon compared to variant 3. The resulting isoform (2) has a shorter and distinct N-terminus compared to isoform 3.