

Product datasheet for **SC109750**

VPS52 (NM_022553) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS52 (NM_022553) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS52
Synonyms:	ARE1; dj1033B10.5; SAC2; SACM2L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC109750 sequence for NM_022553 edited (data generated by NextGen Sequencing)

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ATGGCCGCGCTGCGACCATGGCGGCTGCGGCCCGGAACTGGTGTTCGGGGCTGGGACC
TCAGATATGGAGGAGGAAGAGGGCCCGCTGGCGGGTGGTCTGGGCTCCAGGAACCACTG
CAACTTGGGGAGTTGGATATCACTTCTGATGAATTCATCTGGATGAAGTGGATGTTTAC
ATTCAGGCAAATCTGGAGGATGAGTTAGTAAAGGAAGCTTTAAAACGGGTGTAGATCTC
CGTCACTATTTCAAAGCAAGTTGAGCTGGAGCTACAGCAGATTGAACAGAAATCCATTCGG
GATTATATTTCAAGAGAGTGAGAATATAGCATCTCTACACAACCAGATCACAGCCTGTGAT
GCTGTCTGGAGCGAATGGAGCAGATGTTGGGAGCTTTTCAGAGTGACCTCAGCTCCATC
AGCTCTGAGATCCGGACTGCAGGAACAGTCAGGAGCCATGAACATTCGACTTCGAAAT
CGCCAGGCAGTTCGGGGGAACTTGGGGAGCTTGTGATGGTCTGGTGGTGCCTTCTGCT
CTGGTCACGGCAATTCTGGAGGCTCCAGTGACAGAGCCCAGGTTCTTGGAGCAGCTACAG
GAGCTGGATGCCAAGGCAGCCGAGTCAGAGAGCAGGAAGCTAGAGGCACAGCAGCCTGC
GCAGATGTGAGAGCGTGTCTGATCGGCTCCGGTCAAGGCAGTGACGAAGATCCGAGAG
TTTATCTCCAGAAGATTTATCTTCCAGAAACCCATGACCAACTATCAGATCCCCCAG
ACGGCCCTGCTGAAGTACAGGTTCTTCTATCAGTTTCTGCTGGGCAATGAACGAGCAACA
GCAAAGGAGATCAGGGATGAATATGTGGAGACGCTGAGCAAGATTTACCTGTCTTACTAC
CGCTCTTACCTGGGGCGGCTCATGAAGGTGCAGTATGAGGAAGTCGCTGAGAAAGATGAT
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GCCCCATCCTGGTGCCTCACACAGCGCAGCGCGGAGAGCAGAGGTATCCATTTGAGGCC
CTCTTCCGAGCCAGCACTACGCCCTCTAGACAATTCCTGCCGGAATACCTTTTCATC
TGTGAATTTTTTGTGTCTGGCCAGCTGCACACGACCTGTTCCATGCTGTGTCATGGGC
CGTACACTCAGCATGACCCTGAAACACCTGGATTCTTATCTAGCTGACTGCTACGATGCC
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GTCAGTATCAACCAGACAATTCCTAATGAACGGACCATGCAATTGCTGGGACAGCTGCAG
GTGGAGGTGGAGAATTTTGTCTCCGAGTGGCAGCTGAGTTCTCCTCAAGGAAGGAGCAG
CTTGTTTCTGATCAACAACATGACATGATGCTGGGTGTGCTGATGGAGCGGGCTGCA
GATGACAGCAAAGAGGTTGAGAGCTTCCAGCAGCTGCTCAATGCTCGGACACAGGAATTC
ATTGAAGAGTTGCTGTCTCCCCCTTTGGGGGTTTGTGGCATTGTGAAGGAGGCTGAG
GCTTTGATTGAGCGTGGACAGGCTGAGCGACTTCGAGGGGAAGAAGCCCGGGTAACTCAG
CTGATCCGTGGCTTTGGTGTCTGAAATCATCAGTGGAAATCTCTGAGTCAGGATGTA
ATGCGGAGTTTACCAACTTCAGAAATGGCACCAGTATCATTGAGGAGCGCTGACCCAG
CTGATCCAGCTCTATCATCGCTTCCACCGGGTGTGTCCAGCCGAGCTCCGAGCCCTC
CCTGCCCGGGCTGAGCTCATCAACATTCACCACCTTATGGTGGAGCTCAAGAAGCATAAG
CCCAACTTCTGA

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Clone variation with respect to NM_022553.4

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_022553 unedited</p> <pre>ACGACTCTCTATAGGGCGGCCGCAATTCGGCACGAGGCAGTTGGGTGAAGTGGTTAGAG CTGAAAGGGGACAGCTGGAGTCAAACAACCTAACTCAAATATCTGGGAACGATTTTCGCGC TGAGGAAGACCCTTTGGGACTTGTAGCTCCACTCCGGGGAACGGACTCGCCGGGACTGAC AGTTGCCGGAAGTGAGGCTGCGGGGAATGGCCGCCGTGCGACCATGGCGGCTGCGGCC GGGAACCTGGTGTGCGGGCTGGACCTCAGATATGGAGGAGGAAGAGGGCCCGCTGGCGG GTGGCTGGGCTCCAGGAACCACTGCAACTTGGGGAGTTGGATATCACTTCTGATGAAT TCATCCTGGATGAAGTGGATGTTACATTACAGGCAATCTGGAGGATGAGTTAGTAAAGG AAGCTCTTAAACGGGTGTAGATCTCCGTCACATTCAAAGCAAGTTGAGCTGGAGCTAC AGCAGATTGAACAGAAATCCATTCGGGATTATATTCAAGAGAGTGAGAATATAGCATCTC TACACAACCAGATCACAGCCTGTGATGCTGCTCGGAGCGAATGGAGCAGATGTTGGGAG CTTTTCAGAGTGACCTCAGCTCCATCAGCTCTGAGATCCGGACACTGCANGAACAGTCAG GAGCCATGAACATTTCGACTTCGAAATCGCCAGGCAGTTCCGGGGAAACTTGGNNGAGCTG NTGATGGTCTGGGTGTGCCTTCTGCTCTGGTCACGGNCATTCTGGNAGCTCCAGTGACAG ACCCCCAGNTCTTGGAGCAGCTACAGGAGCTGGATGCCAGGCAGCCGAGTCANAGAGC AGGAAGCTANGAGCACAGCAGCCTGCGCAATGTCANAAGCGTGTGATCGGCTCGGGTC AGGCATGACAAGATCCANAGTTTATCTCCAGAGAATTATTCTTCAGAACCATGACACTAT CGATCCCCG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_022553 unedited</p> <pre>AAAACTGGGGTAAATTTCAATTTTTCGGGACGNCTTCGGNGTAATTCTTGGGCCAGNAGG GGANAGTTAGTGTTCAAATTGCTGAGAATCTTAGTCAAAAACACAGAAAAGAACTC TGAAAAACACAATGACTCAGAGGCAGTACCCCTTGCCAGCAATCCAAGAGCTGAGGAG GCTTCATGCCTCAGGACATGGTACTAGTTGAGTGAACCAGAGATTGAGGCAGTGTTTTT TACAGGGGAAGAAACAAGCCTTGGGTGTATGGGAGCAGGAAAGGAGGGTGACAGACTGGA GAAATGATAAAGGCCATTTTGAAGCCACAGGGAAGTGGTCTTGGGAAACCTGAAGACA CTGGGATATTCAGAAGGCCAAGGGGATCCAGCTTATCCTGTTGGGCAAGGTGCTGGGAGT GAAGGCAGGTAAAGCCATGTCAAGGGCTGGGAAGCAAGGGGAAAACCTGGAAGGGTACCC CAGGTGAAGAAGGTATGGAATGGGTGCAGAAGTCCATGGAGATGACCGGCAGATCTCA GGGCGGTTTCTGGCACATCAGAAGTTGGGCTTATGCTTCTTGGAGTCCACCATAAGGTGG TGAATGTTGATGAGCTCAGCCCGGCAGGAGGGCTCGGAGCTGCGGCTGGGACAGCACC CGGTGGAAGCGATGATAGAGCTGGATCAGCTGGGTGAGCGCTCCCTGAATGATACTGGTG CCATTTCTGAAGTTGTTGAAACTCCGCATTACATCCTGACTCANAGATTCCACTGATGAT TTCCAGGAACTACCAAAGCCACGGATCAGCTGAGGTACCCCGGCTTCTTCCCTCGAAGC GGTCAAGCCTGTACGCTCATTCAAGCCTCAACCTCCTTCACAAAGCCACTAAACCCCA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_022553
Insert Size:	3300 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_022553.4](#), [NP_072047.4](#)

RefSeq Size: 2990 bp

RefSeq ORF: 2172 bp

Locus ID: 6293

UniProt ID: [Q8N1B4](#)

Cytogenetics: 6p21.32

Domains: Vps52

Gene Summary: This gene encodes a protein that is similar to the yeast suppressor of actin mutations 2 gene. The yeast protein forms a subunit of the tetrameric Golgi-associated retrograde protein complex that is involved in vesicle trafficking from from both early and late endosomes, back to the trans-Golgi network. This gene is located on chromosome 6 in a head-to-head orientation with the gene encoding ribosomal protein S18. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Transcript Variant: This variant (1) encodes the longest isoform (1).