

Product datasheet for **RC239228**

VPS52 (NM_001289174) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS52 (NM_001289174) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VPS52
Synonyms:	ARE1; dj1033B10.5; SAC2; SACM2L
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC239228 representing NM_001289174
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATTCATCCTGGATGAAGTGGATGGGTGTAGATCTCCGTCATATTCAAAGCAAGTTGAGCTGGAGC
TACAGCAGATTGAACAGAAATCCATTCCGGATTATATTCAAGAGAGTGAGAATATAGCATCTCTACACAA
CCAGATCACAGCCTGTGATGCTGTCTGGAGCGAATGGAGCAGATGTTGGGAGCTTTTCAGAGTGACCTC
AGCTCCATCAGCTCTGAGATCCGGACACTGCAGGAACAGTCAGGAGCCATGAACATTCGACTTCGAAATC
GCCAGGCAGTTCGGGGGAAACTTGGGGAGCTTGTGATGGTCTGGTGGTGCCTTCTGCTCTGGTCACGGC
AATTCTGGAGGCTCCAGTGACAGAGCCCAGGTTCTTGGAGCAGCTACAGGAGCTGGATGCCAAGGCAGCC
GCAGTCAGAGAGCAGGAAGCTAGAGGCACAGCAGCCTGCCGAGATGTCAGAGGCGTCTCGATCGGCTCC
GGGTCAAGGCAGTGACGAAGATCCGAGAGTTTATCCTCCAGAAGATTTATCCTTCAGGAAACCCATGAC
CAACTATCAGATCCCCAGACGGCCCTGCTGAAGTACAGGTTCTTCTATCAGTTTCTGCTGGCAATGAA
CGAGCAACAGCAAAGGAGATCAGGGATGAATATGTGGAGACGCTGAGCAAGATTTACCTGTCTTACTACC
GCTCTTACCTGGGGCGGCTCATGAAGTGCAGTATGAGGAAGTCGCTGAGAAAGATGATCTAATGGGTGT
GGAAGATACAGCAAAGAAAGGATTCTTCTCAAAGCCATCGCTCCGCAGCAGGAACACCATTTTACCCTA
GGAACCCGCGGCTCTGTCTATCTCCCCACTGAAGTGGAGCCCCATCCTGGTGCCTCACACAGCGCAGC
GCGGAGAGCAGAGGTATCCATTTGAGGCCCTTCCGCAGCCAGCACTACGCCCTCTAGACAATTCCTG
CCGCGAATACCTTTTCTGTGATTTTGTGTGTCTGGCCAGCTGCACACGACCTGTTCCATGCT
GTCATGGGCCGTACACTCAGCATGACCTGAAACACCTGGATTCTTATCTAGCTGACTGCTACGATGCCA
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CCTGGACAGGTAAGGAAACAGGTGCTTGCCTTGCTATGGCCACGTTTGAAGTATCCTGGAGATGAAT
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GCTGAGCGACTTCGAGGGGAAGAAGCCCGGTAAGTCACTGATCCGTTGGTGGTCTTGGTGGTCTGGAAT
CATCAGTGAATCTCTGAGTCAAGATGTAATGCGGAGTTTCAACCACTTCAGAAATGGCACCAGTATCAT
TCAGGGAGCGCTGACCCAGCTGATCCAGCTCTATCATCGTTCCACCGGGTGTGCTGCCAGCCGAGCTC
CGAGCCCTCCCTGCCCGGCTGAGCTCATCAACATTCACCACCTTATGGTGGAGCTCAAGAAGCATAAGC
CCAACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239228 representing NM_001289174
Red=Cloning site Green=Tags(s)

MNSSWMKWMGVDLRHYSKQVELELQQIEQKSIRDYIQESENIALHNQITACDAVLERMEQMLGAFQSDL
 SSISSEIRTLQEQSGAMNIRLRNRQAVRGKLGELVDGLVVPALVTAILEAPVTEPRFLEQLQELDAKAA
 AVREQEARGTAACADVRGVLDRLRVKAVTKIREFILQKIYSFRKPMNTNYQIPQTALLKYRFFYQFLLGNE
 RATAKEIRDEYVETLSKIYLSYRYSYLGRLMKVQYEEVAEKDDLGMVEDTAKKGFSSKPSLRSRNTIFTL
 GTRGSVISPTLEAPILVPHTAQRGEQRYPFALFRSQHYALLDNSCREYLFICEFFVVS GPAAHDLFHA
 VMGRTLSMTLKHLD SYLADCYDAIAVFLCIHIVLRFNRNIAAKRDVPALDRYWEQVLALLWPRFELILEMN
 VQSVRSTDPQRLGGLDTRPHYITRRYAEFSSALVSINQTI PNERTMQLLGQLQVEVENFVLRVAAEFSSR
 KEQLVFLINNYDMLGVL MERAADDSKEVESFQQLLNARTQEFIEELLSPFGLVAFVKEAEALIERGQ
 AERLRGEEARVTQLIRGFGSSWKSSVESLSQDVMRSFTNFRNGTSIIQGALTQLIQLYHRFHRVLSQPQL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

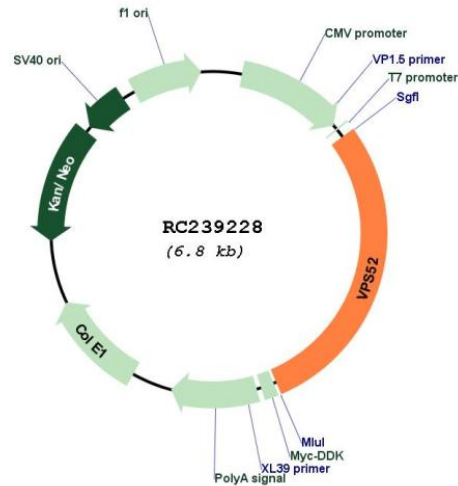
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001289174

ORF Size: 1968 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001289174.2](#)

RefSeq Size: 3442 bp

RefSeq ORF: 1971 bp

Locus ID: 6293

Cytogenetics: 6p21.32

MW: 75.8 kDa

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]