

Product datasheet for **RC239039**

VPS52 (NM_001289175) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS52 (NM_001289175) 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:

>RC239039 representing NM_001289175
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCAGATGTTGGGAGCTTTTCAGAGTGACCTCAGCTCCATCAGCTCTGAGATCCGGACACTGCAGG
 AACAGTCAGGAGCCATGAACATTCGACTTCGAAATCGCCAGGCAGTTCGGGGGAAACTTGGGGAGCTTGT
 TGATGGTCTGGTGGTGCCTTCTGCTCTGGTCACGGCAATTCTGGAGGCTCCAGTGACAGAGCCAGGTTT
 TTGGAGCAGCTACAGGAGCTGGATGCCAAGGCAGCCGAGTCAGAGAGCAGGAAGCTAGAGGCACAGCAG
 CCTGCGCAGATGTCAGAGGCGTCTCGATCGGCTCCGGTCAAGGCAGTGACGAAGATCCGAGAGTTTAT
 CCTCCAGAAGATTTATTCCTTCAGGAAACCCATGACCAACTATCAGATCCCCAGACGGCCCTGCTGAAG
 TACAGGTTCTTCTATCAGTTTCTGCTGGCAATGAACGAGCAACAGCAAAGGAGATCAGGGATGAATATG
 TGGAGACGCTGAGCAAGATTTACCTGTCTTACTACCGCTTACCTGGGCGGCTCATGAAGGTGCAGTA
 TGAGGAAGTCGTCAGAAAGATGATCTAATGGGTGTGGAAGATACAGCAAAGAAAGATTCTTCTCAAAG
 CCATCGCTCCGCAGCAGGAACACCAATTTACCCCTAGGAACCCGCGGCTCTGTCACTCCCCACTGAAC
 TTGAGGCCCCATCCTGGTGCCTCACACAGCGCAGCGGAGAGCAGAGGTATCCATTTGAGGCCCTCTT
 CCGCAGCCAGCACTACGCCCTCCTAGACAATTCCTGCCGGAATACCTTTTTCATCTGTGAATTTTTTGT
 GTGTCTGGCCAGCTGCACACGACCTGTTCCATGCTGTGATGGCCGTACACTCAGCATGACCCTGAAAC
 ACCTGGATTCTTATCTAGCTGACTGCTACGATGCCATTGCTGTTTTTCTCTGTATCCACATTGTTCTCCG
 GTTCCGTAACATTGCAGCAAAGAGGGATGTTCTGCCCTGGACAGGTACTGGGAACAGGTGCTTGCCTTG
 CTATGGCCACGGTTTGAAGTACTCCTGGAGATGAATGTTTCAGAGCGTCCGAAGCACTGACCCCAAGCCG
 TAGGGGGGTTGGATACTCGGCCCACTATATCACACGCCGCTATGCAGAGTTCTCCTCCGCTCTTGTGAG
 TATCAACCCAGACAATTCCTAATGAACGGACCATGCAATTGCTGGGACAGCTGCAGGTGGAGGTGGAGAAT
 TTTGCTCTCCGAGTGGCAGCTGAGTTCTCCTCAAGGAAGGAGCAGCTTGTGTTTCTGATCAACAATATG
 ACATGATGCTGGGTGTGCTGATGGAGCGGGCTGCAGATGACAGCAAAGAGGTTGAGAGCTCCAGCAGCT
 GCTCAATGCTCGGACACAGGAATTCATTGAAGAGTTGCTGTCTCCCTTTTGGGGGTTTGTGTCATTT
 GTGAAGGAGGCTGAGGCTTTGATTGAGCGTGGACAGGCTGAGCGACTTCGAGGGGAAGAAGCCCGGTA
 CTCAGCTGATCCGTGGCTTTGGTAGTTCCTGGAATCATCAGTGAATCTCTGAGTCAGGATGTAATGCC
 GAGTTTACCAACTTCAGAAATGGCACCAGTATCATTAGGGAGCGCTGACCCAGCTGATCCAGCTCTAT
 CATCGCTTCCACCGGGTGTGTCCAGCCGAGCTCCGAGCCCTCCTGCCGGGCTGAGCTCATCAACA
 TTCACCACCTTATGGTGGAGCTCAAGAAGCATAAGCCCAACTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC239039 representing NM_001289175
 Red=Cloning site Green=Tags(s)

MEQMLGAFQSDLSSISSEIRTLQEQSGAMNIRLRNRQAVRGKLGELVDGLVVPVPSALVTAILEAPVTEPRF
 LEQLQELDAKAAAVREQEARGTAACADVRGVLDRLRVKAVTKIREFILQKIYSFRKPMNTNYQIPQTALLK
 YRFFYQFLLGNERATAKEIRDEYVETLSKIYLSYRSYLGRMKVQYEEVAEKDDLMGVEDTAKKGFSSK
 PSLRSRNTIFTLGRGVSISPTLEAPILVPHTAQRGEQRYPFALFRSQHYALLDNSCREYLFICEFFV
 VSGPAHDLFHAVMGRTLSMTLKHLDLSYLADCYDAIAVFLCIHIVLRFNRNIAAKRDVPALDRYWEQVLAL
 LWPRFELILEMNVQSVRSTDPQRLGGLDTRPHYITRRYAEFSSALVSINQTIIPNERTMQLLGLQVEVEN
 FVLRVAAEFSSRKEQLVFLINNYDMMLGVLMEAAADDSKEVESFQQLLNARTQEFIEELLSPFFGGLVAF
 VKEAEALIERGQAERLRGEEARVTQLIRGFGSSWKSSESLSQDVMRSFTNFRNGTSIIQGALTQLIQLY
 HRFHRVLSQPQLRALPARAELINIHMLMVELKHKHPNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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:	<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:	NM_001289175.1 , NP_001276104.1
RefSeq Size:	2727 bp
RefSeq ORF:	1797 bp
Locus ID:	6293
UniProt ID:	Q8N1B4
Cytogenetics:	6p21.32
MW:	68.9 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]