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Product datasheet for SC336933

VPS52 (NM_001289175) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS52 (NM_001289175) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS52
Synonyms:	ARE1; dJ1033B10.5; SAC2; SACM2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

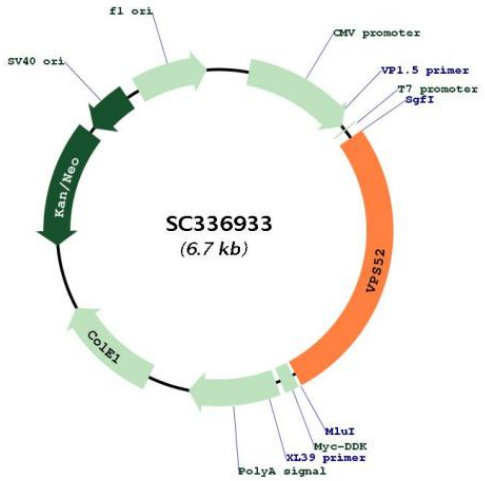
Fully Sequenced ORF:

>SC336933 representing NM_001289175.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGCAGATGTTGGGAGCTTTTCAGAGTGACCTCAGCTCCATCAGCTCTGAGATCCGGACACTGCAG
GAACAGTCAGGAGCCATGAACATTCGACTTCGAAATCGCCAGGCAGTTCGGGGGAAACTTGGGGAGCTT
GTTGATGGTCTGGTGGTGCCTTCTGCTCTGGTCACGGCAATTCTGGAGGCTCCAGTGACAGAGCCCAGG
TTCTTGGAGCAGCTACAGGAGCTGGATGCCAAGGCAGCCGCAGTCAGAGAGCAGGAAGCTAGAGGCACA
GCAGCCTGCGCAGATGTCAGAGGCGTGCTCGATCGGCTCCGGGTCAAGGCAGTGACGAAGATCCGAGAG
TTTATCCTCCAGAAGATTTATTCCTTCAGGAAACCCATGACCAACTATCAGATCCCCCAGACGGCCCTG
CTGAAGTACAGGTTCTTCTATCAGTTTCTGCTGGGCAATGAACGAGCAACAGCAAAGGAGATCAGGGAT
GAATATGTGGAGACGCTGAGCAAGATTTACCTGTCTTACTACCGCTCTTACCTGGGGCGGCTCATGAAG
GTGCAGTATGAGGAAGTCGCTGAGAAAGATGATCTAATGGGTGTGGAAGATACAGCAAAGAAAGGATTC
TTCTCAAAGCCATCGCTCCGCAGCAGGAACACCATTTTCACCCTAGGAACCCGCGGCTCTGTCATCTCC
CCCACTGAACTTGAGGCCCCCATCCTGGTGCCTCACACAGCGCAGCGCGGAGAGCAGAGGTATCCATTT
GAGGCCCTCTTCCGCAGCCAGCACTACGCCCTCCTAGACAATTCCTGCCGCGAATACCTTTTCATCTGT
GAATTTTTTGTTGTGTCTGGCCCAGCTGCACACGACCTGTTCCATGCTGTCATGGGCCGTACACTCAGC
ATGACCCTGAAACACCTGGATTCTTATCTAGCTGACTGCTACGATGCCATTGCTGTTTTTCTCTGTATC
CACATTGTTCTCCGGTTCCGTAACATTGCAGCAAAGAGGGATGTTCCTGCCCTGGACAGGTACTGGGAA
CAGGTGCTTGCCTTGCTATGGCCACGGTTTGAACTGATCCTGGAGATGAATGTTCAGAGCGTCCGAAGC
ACTGACCCCCAGCGCCTAGGGGGGTTGGATACTCGGCCCCACTATATCACACGCCGCTATGCAGAGTTC
TCCTCCGCTCTTGTCAGTATCAACCAGACAATTCCTAATGAACGGACCATGCAATTGCTGGGACAGCTG
CAGGTGGAGGTGGAGAATTTTGTCCTCCGAGTGGCAGCTGAGTTCTCCTCAAGGAAGGAGCAGCTTGTG
TTTCTGATCAACAACTATGACATGATGCTGGGTGTGCTGATGGAGCGGGCTGCAGATGACAGCAAAGAG
GTTGAGAGCTTCCAGCAGCTGCTCAATGCTCGGACACAGGAATTCATTGAAGAGTTGCTGTCTCCCCCT
TTTGGGGGTTTAGTGGCATTTGTGAAGGAGGCTGAGGCTTTGATTGAGCGTGGACAGGCTGAGCGACTT
CGAGGGGAAGAAGCCCGGGTAACTCAGCTGATCCGTGGCTTTGGTAGTTCCTGGAAATCATCAGTGGAA
TCTCTGAGTCAGGATGTAATGCGGAGTTTCACCAACTTCAGAAATGGCACCAGTATCATTCAGGGAGCG
CTGACCCAGCTGATCCAGCTCTATCATCGCTTCCACCGGGTGCTGTCCCAGCCGCAGCTCCGAGCCCTC
CCTGCCCGGGCTGAGCTCATCAACATTCACCACCTTATGGTGGAGCTCAAGAAGCATAAGCCCAACTTC
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001289175
Insert Size:	1797 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_001289175.1
RefSeq Size:	2727 bp
RefSeq ORF:	1797 bp
Locus ID:	6293
UniProt ID:	Q8N1B4
Cytogenetics:	6p21.32
MW:	68.5 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]
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 3, which is shorter at the N-terminus, compared to isoform 1.