

Product datasheet for **SC337122**

VPS52 (NM_001289174) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | VPS52 (NM_001289174) 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) |

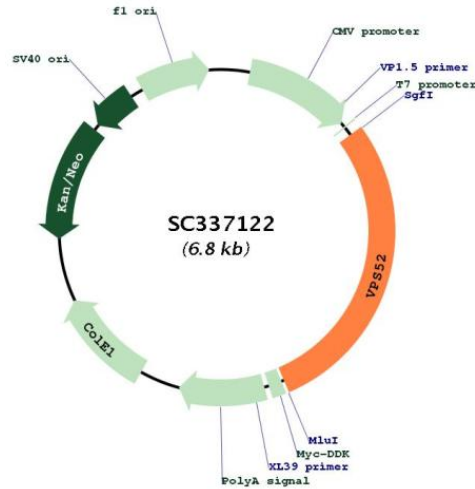


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Fully Sequenced ORF: >SC337122 representing NM_001289174.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAATTCATCCTGGATGAAGTGGATGGGTGTAGATCTCCGTCCTACTATTCAAAGCAAGTTGAGCTGGAG
CTACAGCAGATTGAACAGAAATCCATTCGGGATTATATCAAGAGAGTGAGAATATAGCATCTCTACAC
AACAGATCACAGCCTGTGATGCTGCTGAGAGCGAATGGAGCAGATGTTGGGAGCTTTTCAGAGTGAC
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GCAGCCGAGTCAGAGAGCAGGAAGCTAGAGGCACAGCAGCCTGCCAGATGTCAGAGGCGTGCTCGAT
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CCCATGACCAACTATCAGATCCCCAGACGGCCCTGCTGAAGTACAGGTTCTTCTATCAGTTTCTGCTG
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TCTTACTACCGCTTACTTGGGGCGGCTCATGAAGGTGCAGTATGAGGAAGTCGCTGAGAAAGATGAT
CTAATGGGTGTGGAAGATACAGCAAAGAAAGGATTCCTTCAAAGCCATCGCTCCGACGAGGAACACC
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CGGCCCACTATATCACAGCCGCTATGCAGAGTTCTCCTCCGCTCTTGTGAGTCAACACAGACAATT
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GCAGCTGAGTTCTCCTCAAGGAAGGAGCAGCTTGTGTTTCTGATCAACAACATGACATGATGCTGGGT
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GAGGCTTTGATTGAGCGTGGACAGGCTGAGCGACTTCGAGGGGAAGAAGCCGGGTAACCTCAGCTGATC
CGTGGCTTTGGTAGTTTCTGAAATCATCAGTGAATCTCTGAGTCAGGATGTAATGCGGAGTTTACC
AACTTCAGAAATGGCACCAGTATCATTCAGGGAGCGCTGACCCAGCTGATCCAGCTCTATCATCGCTTC
CACCGGTTGCTGTCCAGCCGAGCTCCGAGCCCTCCCTGCCGGGCTGAGCTCATCAACATTCACCAC
CTTATGGTGGAGCTCAAGAAGCATAAGCCCAACTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001289174

Insert Size: 1971 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_001289174.1](#)

RefSeq Size: 3442 bp

RefSeq ORF: 1971 bp

Locus ID: 6293

Cytogenetics: 6p21.32

MW: 75.4 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 (2) differs in the 5' UTR, initiates translation at an alternate start codon and lacks an alternate exon in the 5' coding region, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct N-terminus, compared to isoform 1.