

Product datasheet for **RR204179**

Vps52 (NM_033097) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps52 (NM_033097) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vps52
Synonyms:	Are1; Sacm2l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR204179 representing NM_033097
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCCGCGGACCATGGCGGCTGCTGCCCGGAGCTGGTGTTCGGGGCCGGCGCTTCAGATATGG
 AGGAGGAGGAGGGCCCGCTGGGGGCTGGTTCTGGACTCCAAGAGCCCTACAACTCGGGGAGTTGGATAT
 CACCTCTGATGAATTCATCTTGATGAAGTGGATGTTACATCCAGGCAAATCTGGAAGACGAGTTAGTG
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 GCTCACACAGCTGATCCAGCTCTACCATCGTTCCACCGTGTGCTGTCCAGCCTCAGCTCCGTGCCCTC
 CCTGCCAGGGCCGAACATCAACATCCATCACCTCATGGTGGAGCTGAAGAAACACAAGCCGAAC TTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RR204179 representing NM_033097
 Red=Cloning site Green=Tags(s)

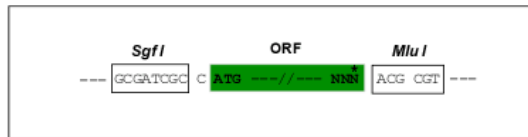
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 GAVISPAELEAPILVPHTAQRGEQRYPFREALFRSQHYALLDNSCREYLFICEFFVVSQPAADLHFHAVMG
 RTLSMTLKHLESYLADCYDAIAVFLCIHIVLFRFNIAAKRDVPALDRYWEQVALLWPRFELILEMNVQS
 VRSTDPQRLGGLDTRPHYITRRYAEFSSALVSINQTIPTNERTLQLLQQLQVEVENFVLRVAAEFSSRKEQ
 LVFLINNYDMMLGVLMEAAADDSKEVESFQQLLNARTQEFIEELLSPFGLVAFVKEAEALIERGQAE
 LRGEEARVTQLIRGFSSWKASVESLSQDVMRSFTNFRNGTSIIQGALTQLIQLYHRFHRVLSQPQLRAL
 PARAELEINIHMLMVELKKHKPNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_033097

ORF Size: 2169 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_033097.2](#), [NP_149088.1](#)

RefSeq Size: 3196 bp

RefSeq ORF: 2172 bp

Locus ID: 25218

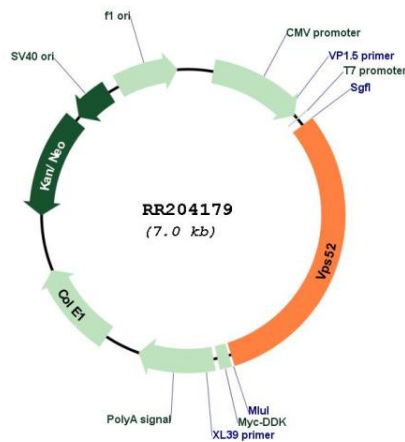
UniProt ID: [O55166](#)

Cytogenetics: 20p12

MW: 82.1 kDa

Gene Summary: gene is part of major histocompatibility complex [RGD, Feb 2006]

Product images:



Circular map for RR204179