

Product datasheet for RC237843

VPS36 (NM_001282168) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS36 (NM_001282168) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	VPS36
Synonyms:	C13orf9; CGI-145; EAP45
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237843 representing NM_001282168 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACCGCTTCGTTTGGACCAGCGCCTCCTGGAGATCAACGAGACCCTGGTATCCAGCAGCGCGGGA
TAAATTTGATGCTGGGACTCTCCTTCTTAGTACACCCGACTGATTTGGAGAGATCAGAAAAATCATGA
GTGTTGCATGGCCATTCTCCTTTCCAAATTGTGTTTCATTGAAGAACAGGCGGCTGGAATTGGGAAGAGT
GCCAAAATAGTGGTTCATCTTACCCAGCTCCTCCTAACAAAGAACCTGGCCATTCCAGAGTAGTAAGA
ACTCTACATCAAACCTCTCCTTCAAAGAACATGGCCAGATTGAGTTTTACAGGCGTTTTATCAGAGGAAAT
GACACAAAGAAGATGGGAGAATATGCCAGTTTCCAGTCATTACAAACAAATAGAGGACCCAGCCAGGA
AGAATAAGGGCTGTAGGAATTGTAGGTATTGAAAGGAACTGGAAGAAAAAGAAAAAGAACTGACAAAA
ACATTTCTGAGGCCTTTGAAGACCTCAGCAAATAATGATCAAGGCTAAGGAAATGGTGGAAATATCAAA
ATCAATTGCTAATAAAATTAAGACAAACAAGGTGACATCACAGAAGATGAGACCATCAGGTTTAAATCC
TACTTGCTGAGCATGGGAATAGCTAACCAGTTACCAGAGAAACCTACGGCTCAGGCACACAGTACCACA
TGCAGCTGGCCAAACAACCTGGCTGGAATATTGCAGGTGCCTTTAGAGGAACGAGGGGGAATAATGTCAT
CACGGAGGTGACTGCTTAGTAAACCGAGCTCGAGGAATGGAATTGCTCTCACCAGAAGATTTAGTGAAT
CGGTGCAAGATGCTGGAAGCACTGAAATACCTCTCAGGCTCCGTGTGTTTACAGTGGCGTCATGGTAA
TTGAGCTTCAGTCTCACAAGGAAGAGGAAATGGTGGCCTCGGCCCTGGAGACAGTTTCAGAAAAGGGATC
CCTAACATCAGAAGAGTTTGCTAAGCTTGTGGGAATGTCTGTCTCCTAGCCAAAGAAAGTTGCTGCTT
GCAGAGAAGATGGCCATCTTTGCCGTGATGACTCAGTGAAGGCCTGCGTTTTTACCAAATTTATTTA
TGACACAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237843 representing NM_001282168
 Red=Cloning site Green=Tags(s)

MDRFVWTSGLLEINETLVIQQRGIKFDAGTLLLSTHRLIWRDQKNHECCMAILLSQIVFIEEQAAGIGKS
 AKIVVHLHPAPPNKEPGPFQSSKNSYIKLSFKEHGQIEFYRRLSEEMTQRRWENMPVVSQSLQTNRGPQPG
 RIRAVGIVGIERKLEEKRKETDKNISEAFEDLSKLMIKAKEMVELSKSIANKIKDKQGDITEDETIRFKS
 YLLSMGIANPVTRETYGSGTQYHMQLAQLAGILQVPLEERGGIMSLTEVYCLVNRARGMELLSPEDLVN
 ACKMLEALKLPLRLRVFDSGVMVIELQSHKEEMVASALETVSEKGSLTSEEFAKLVGMSVLLAKERLLL
 AEKMGHLCRDDSVGLRFYPNLFMTQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

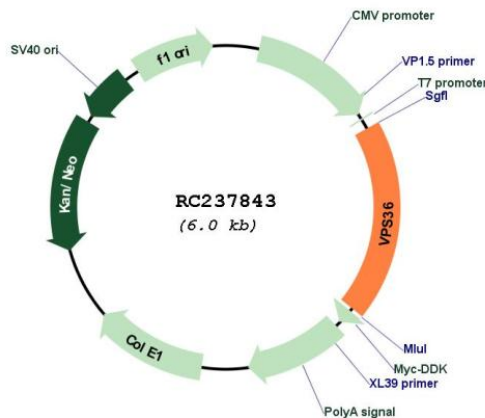
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282168

ORF Size:	1131 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:	<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_001282168.2
RefSeq Size:	4446 bp
RefSeq ORF:	1134 bp
Locus ID:	51028
Cytogenetics:	13q14.3
Protein Families:	Transcription Factors
Protein Pathways:	Endocytosis
MW:	43.2 kDa
Gene Summary:	This gene encodes a protein that is a subunit of the endosomal sorting complex required for transport II (ESCRT-II). This protein complex functions in sorting of ubiquitinated membrane proteins during endocytosis. A similar protein complex in rat is associated with RNA polymerase elongation factor II. [provided by RefSeq, Aug 2013]