

Product datasheet for MR206650

Vps16 (BC003944) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps16 (BC003944) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vps16
Synonyms:	MGC7352
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206650 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTCAGGACCTTCGAGTGCTCAATGCTATTAGAGACTACCACATTGGGATCCCTCTCACCTACACCC
AATACAAGCAGCTCACCATCCAGGTGCTGCTAGACAGGCTTGTGTTGCGGAGGCTTTATCCCCTGGCTAT
CCAGATATGCGAGTACCTGCGCCTTCTGAAGTCCAGGGTGTGAGCAGGATCCTAGCCACTGGGCCTGC
TACAAGGTGCAGCAGAAAGATGTCTCAGATGAAGATGTAGCACGGGCTATTAATCAGAAGCTGGGTACA
CGCTGGTGTTCATACTCTGACATTGCTGCGAGGGCCTATGGCTGTGGCCGACTGAACCTGGCCATTAA
GCTGCTGGAGTATGAGCCACGCTCAGGGGAGCAGGTACCTCTTCTCTAAAGATGAAGAGGAGCAAAGT
GCACTGAGCAAGGCTATTGAGAGTGGAGACACTGACCTGGTGTTCACGTGTTGCTGCACCTAAAGAATG
AACTCAACCGAGGAGACTTTTTCATGACTCTCCGGAACCAACCCATGGCCCTGAGTTTGTATCGACAGTT
CTGTAAGCATCAGGAGCTAGACACTCTGAAGGACCTTTACAATCAGGACGACAATCACCAGGAGTTGGGC
AGCTTCCACATCAGAGCCAGCTATGCCGCTGAAGAGCGTATTGAAGGGCAGTGGCAGCTCTGCAGACGG
CAGCTGATGCCTTCTACAAAGCCAAGAATGAATTTGCAGCCAAGGCCACAGAGGATCAAATGAGGCTCCT
GCGGATACAGCGACGCCCTAGAGGATGAGCTAGGGGGCAGGTTCTAGACCTATCTCTACAGCAGACTGTC
ACCACTTTATCCTTGGAGGCCACAACAAGCGGGCAGAGCAGCTGGCAGTGTTCGCATCCCTGATA
AGAGACTATGGTGGTTAAAGCTGGCTGCCCTGGCAGATTTGGAAGATTGGGAGGAGCTGGAGAAGTTTTTC
CAAAAGCAAGAAATCACCATTGGTTACCTGCCCTTTGTAGAGATCTGCATGAAACAGCATAAACAACAT
GAGGCCAAGAAGTATGCTTCCCCTGTGGCCCTGAACAAAAGGTCAAGGCTTTGCTTCTGTTGGGGATG
TGGCTCAGGCTGCAGAGGTGGCTATTGAGCACCGGAATGAAACAGAGCTGAGCCTCGTTTTGTCCCCTG
CACTGGAGCCACAGATGGGGCCATAGCTGACAAGATTCAGCGGGCCAGGGCACAAGCCAGAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206650 protein sequence
Red=Cloning site Green=Tags(s)

MCQDLRVLNAIRDYHIGIPLTYTQYKQLTIQVLLDRLVLRRLYLPLAIQICEYLRLPEVQGVSRILAHWAC
 YKVOQKDVSDDEVARAINQKLGDTPGVSYSDIAARAYGCGRTELAIKLLEYEPRSGEQVPLLLKMKRSKL
 ALSKAIESGDTDLVFTVLLHLKLNELNRGDFMTLRNQPMALSLYRQFCKHQELDTLKDLYNQDDNHQELG
 SFHIRASYAAEERIEGRVAALQTAAADFYKAKNEFAAKATEDQMRLRLRIQRRELEDELGGRFLDLSLHDTV
 TTLILGGHNKRAEQLARDFRIPDKRLWLLKLAALADLEWEELEKFSKSKKSPIGYLPFVEICMKQHKNH
 EAKKYASRVGPEQVKALLLVGDVAQAAEVAIEHRNETELSLVLSHCTGATDGAIADKIQRARAQAKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC003944

ORF Size: 1257 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: [BC003944](#), [AAH03944](#)

RefSeq Size: 1557 bp

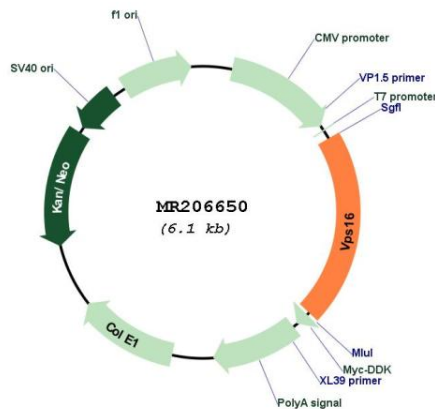
RefSeq ORF: 1259 bp

Locus ID: 80743

Cytogenetics: 2 F1

MW: 47.8 kDa

Product images:



Circular map for MR206650