

Product datasheet for MR206233

Vps37a (BC039290) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps37a (BC039290) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vps37a
Synonyms:	2210018P21Rik; 4930592A21Rik; AW261445; D8Ertd531e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206233 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGGCTCTTCCCTGGCGAAGAGCGCGTCATCCTCCGCGGCTGGGTCCCTGCCGGCCTCACCA
GTCTCCAGCAGCAGAAGCAGCGGCTGATCGAGTCACTCCGGAACCCCATTCCAGTATAGCTGAAATACA
AAAAGATGTGGAATACAGATTGCCATTCACAGTAAACAACCTGACAATTAACATTAATATATTACTTCT
CCACAGTTTCTCAGGAAAAGCCAGTGATTAGTGTATCCGCCAATCAGACATCATTTAATGGATAGTC
AAGGATTATATGTACCTCTCCATTAGTAAGCAATTTTACAATGCACTCAGATCTTGAAAAATTATTCA
AAGCCTTTTGGATGAGTTCTGGAAGAATCCTCCAGTTTTAGCTCCTACTTCAACAACATTTCCATACCTG
TATAGTAATCCAGGTGGGATGCCTCCGTACCCCTCCCAGGGGTTCCATTTCTTCTCCATATCCTCCAC
CAGAAGCTAACAGGAATATCACATCCTGTGTAGCTGACACTGTTTCTTCAACCACAAGTTACAC
TGCAGCTAAGCCCGTGGCGCCTTCATTTGGCATCCTTTCAAGTCTGCCATTACCAGTTCCCACTGAA
TCTTCAGCATCGGTTAACCAAAATGTTTTGGTTATAAGATGCCGGATATTCCTGATGCATTTCCAGAAC
TTTCAGAACTAAGTGTGTACAGCTCACAGATATGAATGAACAGGAGGAGGTATTACTAGAACAGTTTCT
GATGTTGCCTCACTAAAACAAATTTACTGACAAGGAAGACTTAGTAAAAATATCGAGGAATTAGCA
AGAAAAATCTCCTTTTGAACATAGCTTGAAGGCAAAAGGCAAAACCGTTTTAGATAAGTATGAATTAC
TTCTACAAATGAAATCTACCTTTGAAAAGAAGATGCAAAGGCAACATGAACTCAGTGAGAGTTGTAGTGC
AAGTGCTCTACAGGCAAGATTGAAAGTAGCTGCACACGAAGCTGAGGAAGAATCGGATAATATTGCTGAA
GACTTCTTGGAGGGAAAACTGAAATAGATGATTTTCTCAATAGCTTCAAGGAAAAGAGAACAATTTGCC
ACTGTAGAAGAGCTAAAGAAGAGAAGCTTCACCAGGTGATAGCGATGCACAGCCAATTTTCATGCTCCTCT
C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR206233 protein sequence
Red=Cloning site Green=Tags(s)

MSWL FPLAKSASSSAAGSPAGL TSLQQKQRLIESLRNSHSSIAEIQKDVEYRLPFTVNNLTININILLP
 PQFPQEKPVISVYPIRHHLMDSQGLYVTSPLVSNFTMHS DLGKIIQSL LDEFWKNPPVLAPTSTTFPYL
 YSNPGGMPPYPSQGFPLPPYPPPEANR NITSLSVADTVSSSTTSYTAAPVAPSF GILSSLPLVPVPTTE
 SSASVNQNGFGYKMPDIPDAFPELSEL SVS QLTDMNEQEVLLEQFLMLPQLKQIITDKEDLVKNIEELA
 RKNLLLEHSLEGRQTVLDKYELLLQMKSTFEKKMQRQHELSECSASALQARLKVA AHEAEEESDNIAE
 DFLEGKTEIDDFLNSFKEKRTICHCRRAKEEKLHQVIAMHSQFHAPL

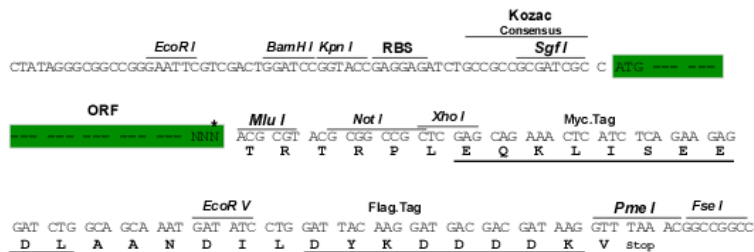
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC039290

ORF Size: 1191 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: [BC039290](#), [AAH39290](#)

RefSeq Size: 4998 bp

RefSeq ORF: 1193 bp

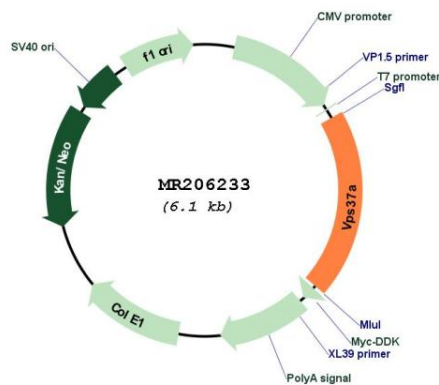
Locus ID: 52348

Cytogenetics: 8 23.89 cM

MW: 44.4 kDa

Gene Summary: Component of the ESCRT-I complex, a regulator of vesicular trafficking process. Required for the sorting of endocytic ubiquitinated cargos into multivesicular bodies. May be involved in cell growth and differentiation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206233