

Product datasheet for MR205356

Vps37c (NM_181403) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps37c (NM_181403) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vps37c
Synonyms: 5730409F24Rik; AU042646
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR205356 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGGGTGAAAGACAAGACCCTGCAGGAGCTGGAGGAAATGCAGAATGACCCAGAAGCCATTGCC
GGCTAGCCTTGGAGTCTCCTGAGGTTCCAGACCTGCAGTTAGAACGAGAGATGGCACTGGCCACGAACCG
GAGCCTGGCAGAGCAGAACCCTGGAGTTCCAAGTCCCCTGGAAATCAGCCGCTTAACCTCTCAGACAAA
TACCAGGAGCTGCGGAAGCTTGTGGAGCGGTGCCAGGAGCAGAAAGCCAAGCTGGAGAAATTTCTCGG
CACTGCAGCCTGGGACCTTGTGGACCTTCTGCAGATCGAAGGCATGAAGATCGAGGAGGAGTCTGAGGC
CATGGCTGAGAAATTCCTGGAAGGTGAGGTGCCGTTGAAACGTTCTTAGAGTCCCTTTCTCCATGAGG
ACACTGCTGCACCTGCGTCCGAGTCCGCGTAGAGAAGCTCCAGGACGTGGTGGAGCCGCTCGAGCTTTGC
CGGAGCTGGCTGGAGATGTCCCTCCAAAGCGCCGCCACCCACGCCCAGTACCCAGGCGACACCCGCC
TGAGACTGAAGAACAGCCTCCACAGCCCTCTGTAGTGACTCCCTACCCCTTGCCCTACAGCCCATCCCCA
GGCTTGCTGTGGGCCGACAGCCAGGGAGCCCTGCAGCCAGCCCTTCCCTGTGGTGGCCAGCCTT
CCTCCTATGGTGGCCTCTGGGTCTTACCCATCACCTCATCCAGGACCCAGGGCCATGGTGGGTTACTC
TTGGTCTCCACAGAGGAGTGGCCCGCCAGCCCTGGTCTGGTTATCCTCAGCAGTCCCCTACCTCCGTCAG
GAAACAAACCTCCCTACCAACACAACCTCAGCTCCCAGGCTTCCAGGACAGCCCGCCAGCCTCCTGTGCC
CCCTCAACCTCCATACCCTCCTGGGACAACCCCTTCTATGGCTTCCACCCTCCAGGCGCTGCTGGCCT
AGGTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205356 protein sequence
Red=Cloning site Green=Tags(s)

MEGLKDKTLQELEEMQNDPEAIARLALESPEVQDLQLEREMALATNRS LAEQNLEFQGPLEISRSNL SDK
 YQELRKLVERCQEQKAKLEKFSALQPGTLLDLLQIEGKIEEESEAMAEKFLEGEVPLETFLESFSSMR
 TLLHLRRVRVEKLDQVRRPRALPELAGDVPPKRPPPPRPVQATPPEETEEQPPQPSVVTYPYLPYSPSP
 GLPVGPTAQGALQPAPFPVVAQPSYGGPLGPYSPHPGPRAMVGYSWSPQRSQPPQPGYPTAPTSTSGP
 GYPLVGGRTPGPGYPQSQSPYLP SGNKPPYPTQPQLPGFPGQPQPPVPPQPPYPPGTTPSYGFHPPGPAW
 RY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_181403

ORF Size: 1059 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_181403.3](#)

RefSeq Size: 2415 bp

RefSeq ORF: 1059 bp

Locus ID: 107305

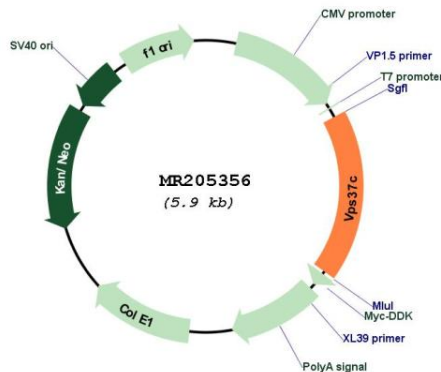
UniProt ID: [Q8R105](#)

Cytogenetics: 19 A

MW: 38.5 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 MR205356