

Product datasheet for **MR228859**

Vps37d (NM_001199677) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Vps37d (NM_001199677) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Vps37d
Synonyms: Wbscr24
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228859 representing NM_001199677
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTACCGGGCCCGGGCGGGCGGGCGGGCGGGAGCCCGGAGCCCGGGCGCTTTGGGATCCTCAGCA
CCGGGCAGCTCCGGGATCTGCTTCAAGATGAGCCCAAGCTGGACCGGATCGTGCGGCTCAGCAGGAAGTT
CCAGGGTCTGCAGCTGGAACGGGATGCCTGCTTGGCCTCTAACTACGCGCTGGCCAAGGAGAACCTGGCC
TTGCGGCCCGCCCTGGAGATGGGTCTGGACAGCCCTGGCCATCAAGTACCAAGAGCTTCGAGAGGTGGCTG
AGAAGTGCAGCAAACTGCAGAGACTGGAGAAGAGCATGCATCGCTGGAGCCCCAATGTGCGCTGGG
CTGGCTGCAGGCTGAGCTGGAAGAGGCTGAGCAGGAGGCTGAGGTCCAGATGGAGCAGCTGCTGCTGGGG
GAACAGAGCCTGGAGGCTTCTGCCAGCCTTCCAGAGGGGCCGTGCCCTGGCCACCTGAGGCGGACAC
AGGCCGAGAACTACAGGAGGTGCTGAGGCGTCGAGAGCGCTCTGCCAGCCGGCCCCACAAGTCTGCTG
TGCTGCTGCCCGCCGCCACCGCCATGGATCCCCCAAACCTTCCCTGCTGCTGCCGCTCTGCCACT
GGGGCCCGGGGACCACCTCCAGCAGTACCCCGGAGCCTGCCCCCTTGGACTCCCGCCAGTGCCCC
CAGTGAAGGGCTCTCCGGGTGCCCTTTGGCCAGCCCTTTGCTGAGCCCTCGACCCTCAGCCTGA
ACCCCTCATCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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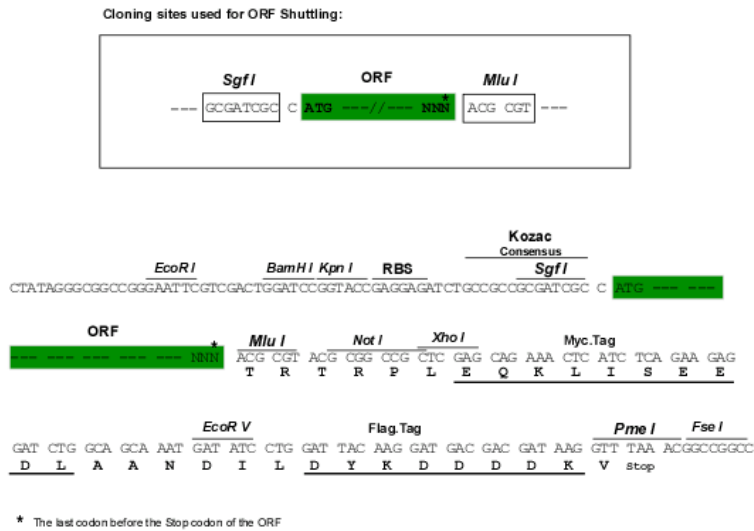
Protein Sequence: >MR228859 representing NM_001199677
 Red=Cloning site Green=Tags(s)

MYRARAARAGPEPGSPGRFGILSTGQLRDLLQDEPKLDRIVRLSRKFQGLQLERDACLASNYALAKENLA
 LRPRLMGRALAIKYQELREVAENCADKLQRLEKSMHRWSPQCALGWLQAELEAEQAEVQMEQLLLG
 EQSLEAF LPAFQRGRALHLRRTQAEKLQEV LRRRERSAQ PAPT TAAAAAAAATAMPDPKPFPAAVLPT
 GAARGPPAVPRSLPPLDSRPVPPVKGSPGCPF GPAPLLSPRPSQPEPPHR

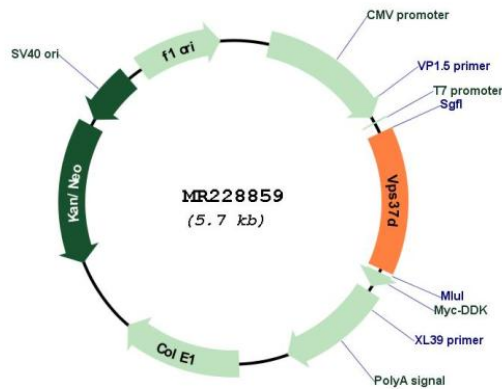
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001199677
ORF Size: 783 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_001199677.1 , NP_001186606.1
RefSeq Size:	1561 bp
RefSeq ORF:	786 bp
Locus ID:	194309
UniProt ID:	Q810I0
Cytogenetics:	5 G2
MW:	29 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]