

Product datasheet for **MG206233**

Vps37a (BC039290) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps37a (BC039290) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Vps37a
Synonyms:	2210018P21Rik; 4930592A21Rik; AW261445; D8Ertd531e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206233 representing BC039290 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCTGGCTCTTTCCCTGGCGAAGAGCGCGTCATCCTCCGCGGCTGGGTCCCTGCCGGCCTCACCA
GTCTCCAGCAGCAGAAGCAGCGGCTGATCGAGTCACTCCGGAACCCCATTCCAGTATAGCTGAAATACA
AAAAGATGTGGAATACAGATTGCCATTCACAGTAAACAACCTGACAATTAACATTAATATATTACTTCT
CCACAGTTTCTCAGGAAAAGCCAGTGATTAGTGTATCCGCCAATCAGACATCATTTAATGGATAGTC
AAGGATTATATGTACCTCTCCATTAGTAAGCAATTTTACAATGCACTCAGATCTTGAAAAATTATTCA
AAGCCTTTTGGATGAGTTCTGGAAGAATCCTCCAGTTTTAGCTCCTACTTCAACAACATTTCCATACCTG
TATAGTAATCCAGGTGGGATGCCTCCGTACCCCTCCCAGGGGTTTCCATTTCTTCTCCATATCCTCCAC
CAGAAGCTAACAGGAATATCACATCCTTGCTGTAGCTGACACTGTTTCTTCAACCACAAGTTACAC
TGCAGCTAAGCCCGTGGCGCCTTCATTTGGCATCCTTTCAAGTCTGCCATTACCAGTTCCCACTGAA
TCTTCAGCATCGGTTAACCAAAATGTTTTGGTTATAAGATGCCGGATATTCCTGATGCATTTCCAGAAC
TTTCAGAACTAAGTGTGTACAGCTCACAGATATGAATGAACAGGAGGAGGTATTACTAGAACAGTTTCT
GATGTTGCCTCACTAAAACAAATTAATGACAAGGAAGACTTAGTAAAAATATCGAGGAATTAGCA
AGAAAAATCTCCTTTTGAACATAGCTTGAAGGCAAAAGGCAAAACCGTTTTAGATAAGTATGAATTAC
TTCTACAAATGAAATCTACCTTTGAAAAGAAGATGCAAAGGCAACATGAACTCAGTGAGAGTTGTAGTGC
AAGTGCTCTACAGGCAAGATTGAAAGTAGCTGCACACGAAGCTGAGGAAGAATCGGATAATATTGCTGAA
GACTTCTTGGAGGAAAACTGAAATAGATGATTTTCTCAATAGCTTCAAGGAAAAGAGAACAATTTGCC
ACTGTAGAAGAGCTAAAGAAGAGAAGCTTCACCAGGTGATAGCGATGCACAGCCAATTTTCATGCTCCTCT
C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206233 representing BC039290
 Red=Cloning site Green=Tags(s)

MSWLFPLAKSASSAAGSPAGL TSLQQKQRLIESLRNSHSSIAEIQKDVEYRLPFTVNNLTININILLP
 PQFPQEKPVISVYPIRHHLMDSQGLYVTSPLVSNFTMHSDLGKIIQSLLEDFWKNPPVLAPTSTTFPYL
 YSNPGGMPPYPSQGFPLPPYPPPEANRNITSLVADTVSSSTTSYTAAPVAPSFSGILSSLPLPVPTTE
 SSASVNQNGFGYKMPDIPDAFPELSELVSVQLTDMNEQEEVLLLEQFLMLPQLKQIITDKEDLVKNIEELA
 RKNLLLEHSLEGKRQTVLDKYELLLQMKSTFEKKMQRQHELSESCSASALQARLKVAHEAEEESDNIAE
 DFLEGKTEIDDFLNSFKEKRTICHCRRAKEEKLHQVIAMHSQFHAPL

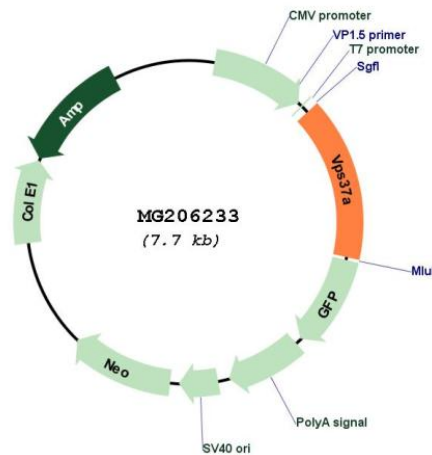
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC039290

ORF Size:	1193 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:	BC039290 , AAH39290
RefSeq Size:	4998 bp
RefSeq ORF:	1193 bp
Locus ID:	52348
Cytogenetics:	8 23.89 cM
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]