

Product datasheet for **RG206006**

VPS36 (NM_016075) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS36 (NM_016075) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VPS36
Synonyms:	C13orf9; CGI-145; EAP45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206006 representing NM_016075 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCGCTTCGTTTGGACCAGCGGCCTCCTGGAGATCAACGAGACCCTGGTGATCCAGCAGCGCGGGG
TGCGAATCTACGATGGCGAGGAGAAGATAAAATTTGATGCTGGGACTCTCCTTCTTAGTACACACCGACT
GATTTGGAGAGATCAGAAAAATCATGAGTGTTCATGGCCATTCTCCTTCCCAAATGTGTTTCATTGAA
GAACAGGCGGCTGGAATTGGGAAGAGTGCCAAAATAGTGGTTCATCTTACCCAGCTCCTCTAACAAAG
AACCTGGCCATTCCAGAGTAGTAAGAATCCTACATCAAATCCTCTTCAAAGAATGAGGAGATTGA
GTTTTACAGGCGTTTATCAGAGGAAATGACACAAAGAAGATGGGAGAATATGCCAGTTTCCAGTCATTA
CAAACAAATAGAGGACCCAGCCAGGAAGAATAAGGGCTGTAGGAATTGTAGGATTGAAAGGAACTGG
AAGAAAAAGAAAAGAACTGACAAAAACATTTCTGAGGCCTTTGAGACCTCAGCAAATAATGATCAA
GGCTAAGGAAATGGTGAATTATCAAAATCAATTGCTAATAAAATTAAGACAAACAAGGTGACATCACA
GAAGATGAGACCATCAGTTTAAATCCTACTTGTGAGCATGGGAATAGCTAACCAGTTACCAGAGAAA
CCTACGGCTCAGGCACACAGTACCACATGCAGCTGGCCAAACAATGGCTGGAATATTGCAGGTGCCTTT
AGAGGAACGAGGGGGAATAATGTCACTCACGGAGGTGTACTGCTTAGTAAACCGAGCTCGAGGAATGGAA
TTGCTCTCACCAGAAGATTTAGTGAATGCGTGCAAGATGCTGGAAGCACTGAAATTACCTCAGGCTCC
GTGTGTTTGACAGTGGCGTCATGGTAATTGAGCTTCAGTCTCACAAGGAAGGAAATGGTGGCCTCGGC
CCTGGAGACAGTTTCAGAAAAGGATCCCTAACATCAGAAGAGTTTGCTAAGCTTGTGGGAATGTCTGTC
CTCCTAGCCAAAGAAAGTTGCTGCTTGCAGAGAAGATGGCCATCTTGGCGTGATGACTCAGTGGAAAG
GCCTGCGTTTTTACCAAATTTATTTATGACACAGAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG206006 representing NM_016075
 Red=Cloning site Green=Tags(s)

MDRFVWTSGLLEINETLVIQQRGVRIYDGEKIKFDAGTLLLSTHRLIWRDQKNHECCMAILLSQIVFIE
 EQAAGIGKSAKIVVHLHPAPPNKEPGPFQSSKNSYIKLSFKEHGQIEFYRRLSEMTQRRWENMPVSQSL
 QTNRGPQPGRIRAVGIVGIERKLEEKRETDKNI SEAFEDLSKLMIKAKEMVELSKSIANKIKDKQGDIT
 EDETIRFKSYLLSMGIANPVTRRETYGSGTQYHMQLAQLAGILQVPLEERGGIMSLTEVYCLVNRARGME
 LLSPEDLVNACKMLEALKLPLRLRVFDSGVMVIELQSHKKEEMVASALETVSEKGLTSEEFAKLVGMSV
 LLAKERLLLAEKMGHLCRDDSV EGLRFYPNLFMTQS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016075

ORF Size: 1158 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_016075.4](#)

RefSeq Size: 4427 bp

RefSeq ORF: 1161 bp

Locus ID: 51028

UniProt ID: [Q86VN1](#)

Cytogenetics: 13q14.3

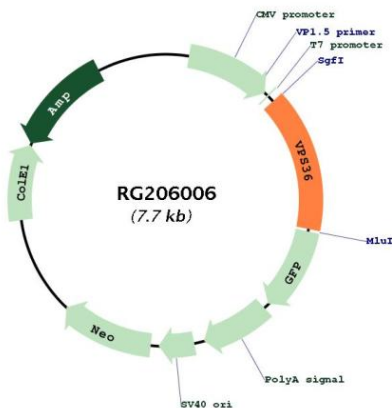
Domains: Vps36

Protein Families: Transcription Factors

Protein Pathways: Endocytosis

Gene Summary: This gene encodes a protein that is a subunit of the endosomal sorting complex required for transport II (ESCRT-II). This protein complex functions in sorting of ubiquitinated membrane proteins during endocytosis. A similar protein complex in rat is associated with RNA polymerase elongation factor II. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG206006