

Product datasheet for **RG237476**

VPS36 (NM_001282169) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS36 (NM_001282169) 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:	>RG237476 representing NM_001282169. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGTAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
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CTGCTTGCAGAGAAGATGGCCATCTTTGCCGTGATGACTCAGTGAAGGCTGCGTTTTTACCCAAAT
TTATTTATGACACAGAGC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237476
 Blue=ORF Red=Cloning site Green=Tag(s)

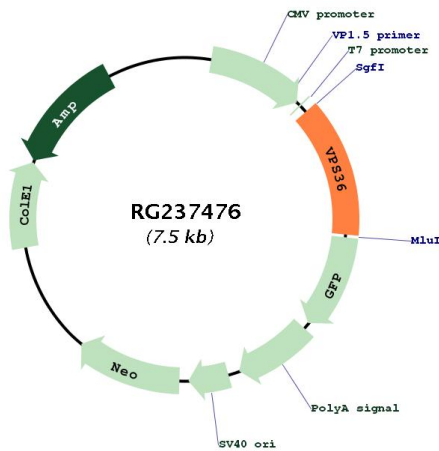
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 SIANKIKDKQGDITETETIRFKSYLLSMGIANPVTRETYGSGTQYHMLAKQLAGILQVPLEERGGIMS
 LTEVYCLVNRARGMELLSPELNVACKMLEALKPLRLRVFDSGMVIELQSHKEEMVASALETVSEK
 GSLTSEEFAKLVGMSVLLAKERLLLAEKMGHLCRDDSVLEGRFYPNLFMTQS
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 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282169

ORF Size:	984 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).
RefSeq:	NM_001282169.1 , NP_001269098.1
RefSeq Size:	4607 bp
RefSeq ORF:	987 bp
Locus ID:	51028
UniProt ID:	Q86VN1
Cytogenetics:	13q14.3
Protein Families:	Transcription Factors
Protein Pathways:	Endocytosis
MW:	37.4 kDa
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]