

## Product datasheet for **RG209854**

### VPS39 (NM\_015289) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VPS39 (NM_015289) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VPS39
Synonyms:	hVam6p; TLP; VAM6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG209854 representing NM\_015289  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCACGACGCTTTCGAGCCAGTGCCGATCCTAGAAAAGCTGCCTCTGCAATCGACTGTCTGGCTGCCT  
 GGGAGGAATGGCTTCTTGTGGGAACCAACAAGGACATCTTCTCTATAGGATTCGGAAGGACGTTGG  
 TTGCAACAGATTTGAAGTGACACTAGAGAAATCCAATAAGAACTTCTCCAAAAAGATTTCAGCAGATCCAT  
 GTGGTTTCCAGTTAAGATTCTGGTACGCTTGTAGAAAATAACATTTATGTCCATGACCTATTGACAT  
 TTCAACAAATCACTACGGTTTCAAAGGCAAAGGGAGCATCACTGTTTACTTGTGACCTCCAGCACACAGA  
 GACCGGTGAGGAGGTGTACGGATGTGTGGCAGTAAAAAGAAGCTGCAGCTCTATTTCTGGAAGGAC  
 AGGGAATTTCAATTCAGGGGGACTTGTAGTGTCCAGATGTGCCAAGTCCATGGCGTGGTGTGAAA  
 ATTCTATCTGTGGGTTTCAAGAGAGACTACTACCTAATAAGGGTGGATGGAAAGGGTCCATCAAGA  
 GCTCTTCCAACAGGAAAACAGCTGGAGCCCTTAGTTGCACCTCTGGCAGATGGAAAAGTGGCTGTGGGC  
 CAGGATGATCTACCGTGGTACTCAATGAGGAAGGGATCTGCACACAGAAATGTGCCCTGAACTGGACGG  
 ACATACCAAGTGGCCATGGAGCACCAGCCTCCCTACATCATTGCAGTGTGCCCTCGATATGTTGAGATCCG  
 AACATTTGAACCGAGGCTTCTGGTCCAAAGCATTGAATTGCAAAGGCCCGTTTTCATTACCTCAGGAGGA  
 TCAAACATTATCTATGTGGCCAGCAATCATTGTTGGAGACTCATCCCTGTCCCATGGCAACCCAAA  
 TCCAACAACCTTCCAGGACAAGCAGTTGAATTGGCTCTGCAGCTCGCAGAAATGAAAGATGATTCTGA  
 CAGTGAAGAGCAGCAACAAATTCATCACATCAAGAACTTGATGCCTTCAACCTCTTCTGCCAGAAGCGT  
 TTTGAGTCCATGCAGTCTTTGCTAACTTGGCACAGATCCCACCCATGTGATGGGCTGTACCCCTG  
 ACCTGTGCCACAGACTACAGAAAGCAGTTGCAGTATCCCAACCCATTGCCTGTGCTCTCCGGGGCTGA  
 ATTTGGAGAAGGCTCACTTAGCTCTGATTGACTACTGACACAGAAACGAAGTCAATTTGGTAAAGAAGCTG  
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 AGCTGCTACAAATCATCGACACCACCCTGCTCAAGTGTCTATCTCCATACAAATGTGGCCCTGGTGGCCCC  
 CTTGCTACGCCTGGAGAACAATCACTGCCACATCGAGGAGAGCGAGCACGTGCTAAAGAAGGCTCACAAG  
 TACAGTGAAGTATCATCTGTATGAGAAGAAGGGCTCCACGAGAAAGCTCTGCAGGTGCTCGTGGACC  
 AGTCCAAGAAAGCCAACCTCCCTCTGAAAGGCCACGAGAGGACAGTGCAGTATCTGCAGCATCTGGGCAC  
 AGAAAACCTGCATTTGATTTTCTCTACTCAGTGTGGGTGCTGAGAGACTTCCAGAAGATGGCCTGAAG  
 ATATTTACTGAAGATCTCCCGAAGTGGAGTCTCTGCCACGTGATCGAGTCTCGGCTTCTTAATAGAGA  
 ATTTTAAGGGTCTGGCTATTCTTATCTGGAACACATCATCCATGTTTGGGAGGAGACAGGCTCTCGGTT  
 CCACAACCTGCCTGATCCAGCTATACTGTGAGAAGGTGCAAGTCTGATGAAGGATATCTCTGTCTTC  
 CCTGCAGGCAAAACCCAGTCCCAGCTGGAGAGGAAGAGGGTGGAGTGGGAGAATACCGGCAAAAGCTCC  
 TCATGTTCTTGGAGATTTCCAGTACTATGATCCAGGCCGGCTCATCTGTGATTTTCCCTTTGATGGCCT  
 CTTAGAAGAACGAGCTCTCTGTTGGGGCGCATGGGGAACATGAACAAGCTCTTTTCATTTATGTCCAC  
 ATCTTGAAGGATACAAGGATGGCTGAGGAGTACTGCCACAACACTATGACCGAAACAAAGATGGCAACA  
 AAGATGTGTATCTGTCCCTGCTTCGGATGTACCTGTGCCCCCAGCATTCACTGCCTGGGGCCAATCAA  
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 ATCTCTGAGGGTCCAGGAAGAGCGGATTTTACACCAGCAGGTGAAGTGCATCATCAGAGGAGAAGGTG  
 TGCATGGTGTGAAGAAGAAGATTGGGAACAGTGCATTTGCAAGATACCCCAATGGAGTGGTCTGCCATT  
 ACTTCTGTTCCAAAGAGGTAAACCCAGCTGACACT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209854 representing NM\_015289  
 Red=Cloning site Green=Tags(s)

MHDAFEPVPILEKLPQLIDCLAWEWLLVGTQKGHLLLYRIRKDVGCNRFVETLEKSNKNFSKKIQIHH  
 VVSQFKILVSLLENNIYVHDLLTFQQTITVSKAKGASLFTCDLQHTETGEEVLRMCVAVKKKLQLYFWKD  
 REFHELQGDFVSPDVPKSMAWCENSICVGFKRYYLIRVDGKGSIKELFPTGKQLEPLVAPLADGKVAVG  
 QDDLTVVLNEEGICTQKCALNWTIDIPVAMEHQPPYIIAVLPRYVEIRTFEPRLLVQSIELQRPRFITSGG  
 SNIIYVASNHFVWRLIPVPMATQIQLLQDKQFELALQLAEMKDDSDSEKQQQIHHIKNLYAFNLFQQR  
 FDESMQVFAKLGTPHVMGLYPDLLPTDYRKQLQYPNPLPVLSGAELEKAHLALIDYLTQKRSQLVKLL  
 NDSHQSTSPLEMGTPTIKSKKLLQIIDTLLKCYLHTNVALVAPLLRLENNHCHIEESEHVLLKKAHK  
 YSELIILYEKGLHEKALQVLVDQSKKANSPLKGHRTVQYLQHLGTENLHLIFSYVWVLRDFPEDGLK  
 IFTEDLPEVESLPRDRVLGFLIENFKGLAIPYLEHIIHVWEETGSRFHNLILQYCEKVQGLMKEYLLSF  
 PAGKTPVPAGEEEGELGEYRQKLLMFLEISSYDPGRLLICDFPFDGLLEERALLGRMGKHEQALFIYVH  
 ILKDRMAEEYCHKHYDRNKDGNKDVYLSLLRMYLSPPSIHLGPikleLLEPKANLQAALQVLELHHSK  
 LDTTKALNLLPANTQINDIRIFLEKVL EENAQKKRFNQLKNLLHAEFLRVQEERILHQVQKCIITEEKV  
 CMVCKKIGNSAFARYPNGVVVHYFCSKEYNPADT

TRTRPLE - GFP Tag - V

Restriction Sites:

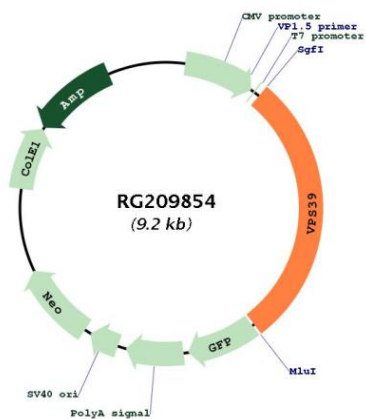
Sgfl-MluI

Cloning Scheme:



<b>ACCN:</b>	NM_015289
<b>ORF Size:</b>	2625 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_015289.5</a>
<b>RefSeq Size:</b>	4851 bp
<b>RefSeq ORF:</b>	2628 bp
<b>Locus ID:</b>	23339
<b>UniProt ID:</b>	<a href="#">Q96JC1</a>
<b>Cytogenetics:</b>	15q15.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	This gene encodes a protein that may promote clustering and fusion of late endosomes and lysosomes. The protein may also act as an adaptor protein that modulates the transforming growth factor-beta response by coupling the transforming growth factor-beta receptor complex to the Smad pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Circular map for RG209854