

## Product datasheet for **RG206990**

### VPS54 (NM\_001005739) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VPS54 (NM_001005739) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	VPS54
Synonyms:	HCC8; hVps54L; PPP1R164; SLP-8p; VPS54L; WR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RG206990 representing NM\_001005739  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTCAAGCCACAGTCTTCCACAGTGCCTCAAGGAAGCAGCAGTGTGTTTCTTTAAAATAGAGG  
 TAGATCCGTCAAAACACATTCGACCTGTGCCATCACTGCCAGATGTGTGTCCAAGGAACCCACAGTTAC  
 AGATCAACATAGATGGACTGTATATCATTCCAAAGTAAATCTCCCAGCAGCATTAAACGATCCTAGATTA  
 GCAAAAAGAGAATCTGACTTCTTCAAAAAACATGGGGATTGGACTTTGTGGACTGAAGTCATACCTT  
 CATTCTACCTCCACAGATCAGCAAGGAACATTTACAGTATATCAACAGGAAATCTCTCAGAGAGAGAA  
 GATTCATGAGAGATGCAAGAATATTTGCTCTCTAAAGATACCTCGAAAGGACTCTTTACATACTCAT  
 GATAAATCCAGGACAGATCTGGAGCAAGTACCTAAGATTTTTATGAAACCAGATTTGCCTTGGATGATT  
 CCTTAACTTTTAATTCAGTTTTACCATGGTCTCATTTAATACTGCTGGTGGAAAAGGAAATCGTGATGC  
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 CAGATCTCTACGTTTCAAGAACATTTTTTCATGCAATGACCTCTCAACACGAGTTGCAGGACTACCTCA  
 GGAAAACCTCCAGGCTGTAATAATGCTTCGAGATAAAATTGCACAGATTGATAAAGTAATGTGTGAAGG  
 ATCACTCCACATTTAAGACTGGCCTTACCAGAAATAATTGTGTTAAAGTATACAATAAGCTGAAGTTA  
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 GGGATCACAGCTTTGTGAATTAGAAAACCTGATAGATAAAATGATGATTGCAGAATTTCTACTTATTCT  
 CACAGTGACTTAAATAGACCCTGGAAGATGACTGTCAAGTTTTAGAAGAGGAAAGACTAATATCTCTTG  
 TATTTGGACTTTTAAAACAAAGAAAGCTTAATTTTTTTAGAAATCTATGGTGAATAATGGTTATTACAGC  
 AAAGAATATCATTAAACAGTGTGTGATTAATAAAGTTTTCAAAACAGAAGAAATAGACACAGATGTTGTT  
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 TCTTGACAAAACCAAAGGACTAGAGAATTGGAAGAGATTTCAACAGAAAGATGCTGCAAAAGATAAT  
 TCACTGGACACAGAGGTGGCTTATTTAATCCATGAAGGCATGTTTATAAGTATGCATCCGGTGAGGGTG  
 AGCTAACACCTATAGCAGTTGACACTACCTCTCAAAGAAATGCATCTCAAATAGTGAGCCCTGCAGCAG  
 TGATTCTGTATCCGAGCCAGAATGTACTACTGATTCTTCCATCCAGCAAAGAGCACACATCATCTGCT  
 ATTCAGGAGGTGGATATTATGGTCAGTGAAGATATGAAATTAAGTACTCAGAGCTAGGAAAGCTGG  
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 GTCAAGAGCAAAGGATGGTTTTCTTGAGAAGCTAAATCCATGGAATTCATAACACTTTCTAGATTAATG  
 GAAACATTCATTTAGACACCGAACAGATCTGTGGAAGAAAAAGCACGTCATTACTTGGAGCACTTCAGA  
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 AGAAGTTGCCAGTTAGTTCTTGGAGCTGGTGCAGTGAAGTTGTTGGACTAAAAACGATAACTACAAAA  
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 ATGAAGTGAAGGCTCCTGTTCTTCTGCTGTTTCAAGAAATTTGTAAGCAAATGACAAAAATGCACGA  
 AGCTATATTTGATCTCCTCCAGAAGAACAACACAGATGTTATTTTTAAGAATTAATGCAAGTTATAAA  
 CTCCACTTGAAAAAGCAGTTATCTCACTTAAATGTGATAAATGATGGAGGACCTCAAATGGGTTGGTCA  
 CAGCAGATGTAGCTTTTACACTGGAAATCTTCAAGCCTTAAAAGCCTTAAAGATTTGGACCTAAATAT  
 GGCCGAAATTTGGGAGCAGAAGAGG

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG206990 representing NM\_001005739  
 Red=Cloning site Green=Tags(s)

MASSHSSSPVPQGSSSDVFVKIEVDPSKHIRPVPVSLPDVCPKEPTVTDQHRWTVYHSHKVNLPALNDPRL  
 AKRESDFFTKTWGLDFVDEVIPSFYLPQISKEHFTVYQQEISQREKIHRCCKNICPPKDTFERTLLHHTH  
 DKSRDLEQVPKIFMKPDFALDDSLTFNSVLPWSHFNTAGGKGNRDAASSKLLQEKLSHYLDIVEVNIADH  
 QISLRSEAFFHAMTSQHELQDYLRKTSQAVKMLRDKIAQIDKVMCEGSLHILRLALTRNNCKVYVNLKLL  
 MATVHQTOPTVQVLLSTSEFVGLDLIATTQEVLLQELQGIHSFRHLGSQLECEKLDIDKMMIAEFSTYS  
 HSDLNRPLEDDCQVLEEERLISLVFGLLKQRKLNFLIYGEKVMITAKNIKQCVCINKVSQTEEIDTDVV  
 VKLADQMRMLNFPQWFDLLKDFSKFTIFLQVRKATLNIHHSVLSVLDKNQRTRELEEISQQKNAAKDN  
 SLDTEVAYLIHEGMFISDAFGEGETPIAVDTTSQRNASPNSEPCSSDSVSEPECTDSSSSKEHTSSSA  
 IPGGVDIMVSEDMKLTDESELGKLANNIQELLYSASDICHDRVAVKFLMSRAKDGFLKNSMEFITLSRLM  
 ETFILDTEQICGRKSTSLGALQSQAIFVNRHFEERKTKLSLLL DNERWKQADVPAEFQDLVDSLSDGK  
 IALPEKKS GATEERKPAEVLIVEGQYAVVGTVLLLIRIILEYCQVDNIPSVTTDMLTRLSDLLKYFNS  
 RSCQLVLGAGALQVVGKLTITTKNLALSSRCLQLIVHYIPVIRAHFEARLPPKQYSMLRHFHDHITKDYHD  
 HIAEISAKLVAIMDSLFDKLLSKYEVKAPVPSACFRNICKQMTKMHEAIFDLLPEEQTQMLFLRINASYK  
 LHLKKQLSHLNVINDGGPQNGLV TADVAFYTGNLQALKGLKDLNMAE IWEQKR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

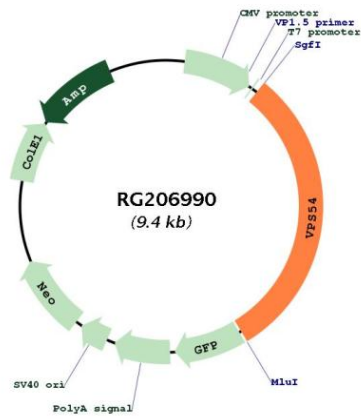


ACCN: NM\_001005739

ORF Size: 2895 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>RefSeq:</b>	<a href="#">NM_001005739.2</a>
<b>RefSeq Size:</b>	3958 bp
<b>RefSeq ORF:</b>	2898 bp
<b>Locus ID:</b>	51542
<b>UniProt ID:</b>	<a href="#">Q9P1Q0</a>
<b>Cytogenetics:</b>	2p15-p14
<b>Gene Summary:</b>	This gene encodes for a protein that in yeast forms part of a trimeric vacuolar-protein-sorting complex that is required for retrograde transport of proteins from prevacuoles to the late Golgi compartment. As in yeast, mammalian Vps54 proteins contain a coiled-coil region and dileucine motifs. Alternative splicing results in multiple transcript variants encoding different isoforms [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG206990