

## Product datasheet for **SC111287**

### VPS24 (CHMP3) (NM\_016079) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	VPS24 (CHMP3) (NM_016079) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS24
Synonyms:	CGI-149; NEDF; VPS24
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111287 sequence for NM_016079 edited (data generated by NextGen Sequencing)

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ATGGGGCTGTTTGGAAAGACCCAGGAGAAGCCGCCCAAAGAAGCTGGTCAATGAGTGGTCA
TTGAAGATAAGAAAGGAAATGAGAGTTGTTGACAGGCAAATAAGGGATATCCAAAGAGAA
GAAGAAAAAGTGAACGATCTGTGAAAGATGCTGCCAAGAAGGGCCAGAAGGATGTCTGC
ATAGTTCTGGCCAAGGAGATGATCAGGTCAAGGAAGGCTGTGAGCAAGCTGTATGCATCC
AAAGCCCACATGAACTCAGTGCTCATGGGGATGAAGAACCAGCTCGCGGTCTTGCAGTG
GCTGGTCCCTGCAGAAGAGCACAGAAGTGAAGGCCATGCAAAGTCTTGTGAAGATT
CCAGAGATTCAGGCCACCATGAGGGAGTTGTCAAAGAAATGATGAAGGCTGGGATCATA
GAGGAGATGTTAGAGGACACTTTTGAAGCATGGACGATCAGGAAGAAATGGAGGAAGAA
GCAGAAATGGAAATTGACAGAATTCTTTGAAATTACAGCAGGGGCCTTGGGCAAAGCA
CCCAGTAAAGTACTGATGCCCTCCAGAGCCAGAACCTCCAGGAGCGATGGCTGCCTCA
GAGGATGAGGAGGAGGAGGAAGAGGCTCTGGAGGCCATGCAGTCCCGGCTGGCCACACTC
CGCAGCTAG
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Clone variation with respect to NM\_016079.3  
246 a=>c



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_016079 unedited</p> <pre> ATACGACTCACTATTAGGGCGGCCGCAATTTCGCACGAGGGTTCAGTTCGTCATGGGGCT GTTTGGAAAGACCCAGGAGAAGCCGCCAAAGAAGCTGGTCAATGAGTGGTCATTGAAGAT AAGAAAGGAAATGAGAGTTGTTGACAGGCAAATAAGGGATATCCAAGAGAGAAGAAAA AGTGAAACGATCTGTGAAAGATGCTGCCAAGAAGGCCAGAAGGATGTCTGCATAGTTCT GGCCAAGGAGATGATCAGGTCAAGGAAGGCTGTGAGCAAGCTGTATGCATCCAAAGCCCA CATGAACCTCAGTGCTCATGGGGATGAAGAACCAGCTCGCGGTCTTGCGAGTGGCTGGTTC CCTGCAGAAGAGCACAGAAGTGATGAAGGCCATGCAAAGCTTTGTGAAGATCCAGAGAT TCAGGCCACCATGAGGGAGTTGTCCAAAGAAATGATGAAGGCTGGGATCATAGAGGAGAT GTTAGAGGACACTTTTGAAGCATGGACGATCAGGAAGAAATGGAGGAAGAAGCAGAAAT GGAAATTGACAGAATTCTTTGAAATTACAGCAGGGGCCTTGGGCAAAGCACCCAGTAA AGTGACTGATGCCCTCCAGAGCCAGAACCTCCAGGAGCGATGGCTGCCTCANACGATGA GGAGGAGGAGGAAGAGGCTCTGGAGGCCATGCAGTCCCGGCTGGCCACACTCCGCAGCTA GGGGCTGCCTACCCCGCTGGGTGTGCACACACTCTCTCAAGAGCTGCCATTNTATGTGT CTTTGCACTACACCNTCTGTGTGAGGACTACCATTTTGGAGAAGGNTCTGTNTGNCTCT TTTCATTNCTCTGCCAGTTNNTGGGATCGCANAAAGGGATNGNTCTTATNAAAGTGGCAT AAATAAATGCATCATTTNNNTAGAGATAGACAGATTTATCTTATTNGTGGGGAGGGGAAA GAAATNCATCTGCTCATGAAGCCTTNTGAAAAAT </pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_016079 unedited</p> <pre> NNTTTTAGCTTTGGACCGGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTTGN GAGAGAAGGATCTTGCTATGTTGCCAGGCTGGTCTTGAACCTATTCTCAAGAGAGCC TCCTGCCTCAGCCTTGTAAGCACTGGGATTATAGGCATGAACCACCGCACCCAGCCAAG ATTGCCATTTTGTATGATGAGACTGGAAGACCCATTGTTTCAGGATTTTGCTACAATA TACAAAAAACAATCTGTGAGACAGTGGCTGGGCTTTTTTCTGCCTGATTAGTTCAGTGC ACATACAACCTGGACCAGAGGATCTGGGTTTGAATCCCATCTCTGATACTTCCAAAAGT AGCTGTTTTCTTATTTGTAAAGACTAAGATCGCGTATGTCAAAGAGCTCTGTAAACTCT CAACACATACAAAGTACTACTGTGAAATGATTATAAATGTATCTTAAGAATGTCCAG ATGAGTGAATGTTGGTTATGATGCATGACCACACCTTAGTGTGCTCCTGGTCAGTCTCTG ACTTTGAGAAAAACACAGATAGGAAGGCCATGTCCCACGCACAAGACAACCAGCTCGAAG CAGGGACAGGCAATGAGAGGTGAAAGAGACCTAGTACTACAGCTGTCTCATCTGGGTGCA ACTTGCAATGGGAAGGAAGGGACAGAAGCTCTAAATAGACCCACATGCACACCCAGGAC ATAATGCAGCCACCAGCCAACAGGACAAGCAGCACATTTCCCCAGCATCCTCTTGTTTAA ATAGAAAACAGAATGGCTGCCATACCATGTCTGTGAAAGCCGGGAGCAGCAACCACAGAGC AAAGTCACTTCTGCTGAGCTCCCAAATCCATATGCCTGGCCTAGCAACTCTTTCCACACC AA </pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_016079
<b>Insert Size:</b>	2080 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_016079.2</a> , <a href="#">NP_057163.1</a>
<b>RefSeq Size:</b>	3174 bp
<b>RefSeq ORF:</b>	669 bp
<b>Locus ID:</b>	51652
<b>UniProt ID:</b>	<a href="#">Q9Y3E7</a>
<b>Cytogenetics:</b>	2p11.2
<b>Domains:</b>	DUF279
<b>Protein Pathways:</b>	Endocytosis
<b>Gene Summary:</b>	<p>This gene encodes a protein that sorts transmembrane proteins into lysosomes/vacuoles via the multivesicular body (MVB) pathway. This protein, along with other soluble coiled-coil containing proteins, forms part of the ESCRT-III protein complex that binds to the endosomal membrane and recruits additional cofactors for protein sorting into the MVB. This protein may also co-immunoprecipitate with a member of the IFG-binding protein superfamily. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the upstream ring finger protein 103 (RNF103) gene. [provided by RefSeq, Nov 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also known as Vps24alpha).</p>