

Product datasheet for **SC117087**

VPS26 (VPS26A) (NM_004896) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS26 (VPS26A) (NM_004896) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS26
Synonyms:	HB58; Hbeta58; PEP8A; VPS26
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC117087 sequence for NM_004896 edited (data generated by NextGen Sequencing)

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ATGAGTTTTCTTGGAGGCTTTTTGGTCCAATTTGTGAGATCGATATTGTTCTTAATGAT
GGGAAAAC CAGGAAAATGCGAGAAATGAAAAC TGAAGATGGCAAAGTAGAAAAACTAT
CTCTTCTATGACGGAGAATCCGTTTCAGGAAAGGTAAACCTAGCCTTTAAGCAACCTGGA
AAGAGGCTAGAACACCAAGGAATTAGAATTGAATTTGTAGGTCAAATTGAACTTTTCAAT
GACAAGAGTAATACTCATGAATTTGTAACCTAGTGAAAGAACTAGCCTTACCTGGAGAA
CTGACTCAGAGCAGAAGTTATGATTTTGAATTTATGCAAGTTGAAAAGCCATATGAATCT
TACATCGGTGCCAATGTCCGCTTGAGGTATTTCTTAAAGTGACAATAGTGAGAAGACTG
ACAGATTTGGTAAAAGAGTATGATCTTATTGTTCCACGCTTGCCACCTATCCTGATGTT
AACAACTCTATTAAGATGGAAGTGGGCATTGAAGATTGTCTACATATAGAATTTGAATAT
AATAAATCAAAGTATCATTTAAAGGATGTGATTGTTGGAAAAATTTACTTCTTATTAGTA
AGAATAAAAAACAACATATGGAGTTACAGCTGATCAAAAAAGAGATCACAGGAATTGGA
CCCAGTACCACAACAGAAACAGAAACAATCGCCAAATATGAAATAATGGATGGTGCACCA
GTAAAAGGTGAATCAATTCCAATAAGGCTATTTTTAGCAGGATATGACCCAACTCCAACA
ATGAGAGATGTGAACAAAAATTTTCAGTAAGGTACTTTTTGAATTTAGTGCTTGTGAT
GAGGAAGACCGGAGGTACTTCAAACAGCAGGAGATAATTTTATGGAGAAAAGCTCCTGAA
AAACTGAGGAAACAGAGAACAACTTTCCACCAGCGATTTGAATCTCCAGAATCACAGGCA
TCTGCCGAACAGCCTGAAATGTGA
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Clone variation with respect to NM_004896.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004896 unedited
 AAGGGGCTACTAATTTGTAATACGACTCACTATAGGGCGGCCGCAATCGGCACGAGGC
 GCGGCGCGCGCTTGACAATGAGTTTTCTTGGAGGCTTTTTTGGTCCAATTTGTGAGATC
 GATATTGTTCTTAATGATGGGAAACCAGGAAATGGCAGAAATGAAAACCTGAAGATGGC
 AAAGTAGAAAAACTATCTCTTCTATGACGGAGAATCCGTTTCAGGAAAGGTAAACCTA
 GCCTTTAAGCAACCTGGAAAGAGGCTAGAACACCAAGGAATTAGAATTGAATTTGATAGT
 CAAATTGAACTTTTCAATGACAAGAGTAATACTCATGAATTTGTAACCTAGTGAAGAA
 CTAGCCTTACCTGGAGAAGTACTGACTCAGAGCAGAAGTTATGATTTTGAATTTATGCAAGTT
 GAAAAGCCATATGAATCTTACATCGGTGCCAATGTCCGCTTGAGGTATTTTCTTAAAGTG
 ACAATAGTGAGAAGACTGACAGATTTGGTAAAAGAGTATGATCTTATTGTTCAACAGCTT
 GCCACCTATCCTGATGTTAACTCTATTAAGATGGAAGTGGCATTGAAGATTGTCTA
 CATATAGAATTTGAATATAATAAATCAAAGTATCATTAAAGGATGTGATTGTTGGAAAA
 ATTTACTTCTTATTAGTAAGAATAAAAAACAACATATGGAGTTACAGCTGATCAAAAAA
 GAGATCACAGGAATTGGACCCAGTACCACAACAGAAACAGAAACAATCGCCAATATGAA
 ATAATGGATGGTGACCAGTAAAAGGTGAATCAATTCCAATAAGGCTATTTTATGACGGA
 TATGACCCAACCTCAACAATGAGAGATGTGAACCANAAAAATTCAGTAAGGTACTTTTTG
 AAATTAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004896 unedited
 GCCGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTCTGTTTCAAATCTTTATTATAC
 ATCATGGTTGCACAATTTGAGGCTGGTTAAATACAATTGGTTTTCAAATCTCTTTGAAT
 ATTTTCTGGCTTACTACATGCAATGACCATGAAAATATTTGGCATTTTAAAATCTGAA
 ACTCTGAATAGGCACTTACATGAAGGAAAACATTACCATTATAGATATCCACATGTAGA
 ACAGATGCTCCAGCACATGGTGGTACATGGACCCTTTTGCCAGTAAAGTTGGTTCCTGAC
 CATTTTATCAAAGTGCCATAGTAGTAAAACAGGTTTAAAGAAATGTAATTTGGGTATTT
 AGCTTACTCATAAAGTAAGGTTAACTGACAAGACTTGCCTGAAGTGCATAAAAAATATT
 GGTACAAAAACCAATGAACCATAAGTGAAGTAGTTTCCATACAGCAGGTTTCATTTTGG
 TTCCTACTCCACATTTAGTGTATTTGCGATCAGACCCCATGCATATGAATGGATGACT
 GCAATCTCTTTTTTAGAGACTTAAAACAAATGACTTGAATTTAGTGTAAAAAATTAAG
 AGACTAGATGAAGTTTCAATATGAGTTTAACTAGCCAAAGTTCGAGTTTAAATAACATGA
 AATTACCAGATCTAGATAACTACATGCTTACAGGTCCTNCTGAGTCCCATCCCAAAT
 TTTCCCTGAAAAGAAATGAATGATGAAGAAATAATTGCATACACATGCAAAAGATTCC
 TAAAATGATATATAATACGTTCAAGTATTATGGAAAATAGTTTAAACAATCTAATGCAAGC
 TAGTCACTCCCATGCAGATAACACACGTAATCTGGATATACTAATGACTAATATGCCAA
 AAAGAGCCTATGACTGCCATATCCTGGGGAGAATCATTCTACCA

Restriction Sites:

NotI-NotI

ACCN:

NM_004896

Insert Size:

2700 bp

OTI Disclaimer:

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).

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:	<ol style="list-style-type: none">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_004896.2 , NP_004887.2
RefSeq Size:	2652 bp
RefSeq ORF:	984 bp
Locus ID:	9559
UniProt ID:	O75436
Cytogenetics:	10q22.1
Domains:	Vps26
Gene Summary:	<p>This gene belongs to a group of vacuolar protein sorting (VPS) genes. The encoded protein is a component of a large multimeric complex, termed the retromer complex, involved in retrograde transport of proteins from endosomes to the trans-Golgi network. The close structural similarity between the yeast and human proteins that make up this complex suggests a similarity in function. Expression studies in yeast and mammalian cells indicate that this protein interacts directly with VPS35, which serves as the core of the retromer complex. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>