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Product datasheet for SC102299

VPS36 (AK022911) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	VPS36 (AK022911) Human Untagged Clone
Tag:	Tag Free
Symbol:	VPS36
Synonyms:	C13orf9; CGI-145; EAP45
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>NCBI ORF sequence for AK022911, the custom clone sequence may differ by one or more nucleotides

TAGACATGCCCAGAGTTATGATTACAAATTTAGGAGGTAGACGGCTCAGGAATTCCCTGGGATTGTTGTG
CTGGTGGAATGGCAGAGGGAACTTCACAGGAACCTTAGTGCTCTTTTACCTCAAAGCCACAGACAGGAAA
TAGAAAGTGGAAAAGTAATATCTCCTTTTCTTTTCCATAAGGAGTTTCAACACTGAACTTTAAAAAGTCT
ATCATATTCCAGCAATATTTTTTCTTTGTCCTTTATGTTGTAAGTTGTGTGGAAAAACTACTTCGGTAAG
AAATGTTACTGAGATAACAACAACTGGCTAATACTGCATGTAGATTGCTTAGGTTTTAAAGTGACTGCCT
GACTTCACATGTTATTGCTACAGCCTCCAGTATGTTCGCATTATCTCAAACTCAGGGACCCCACAGGACA
GGAGACACCCTTTCTGAAACTGAGTTGGAAGTGAAAGGGTGGTGATGGTTTTGGCCAAGCCTGCGGGAGG
GAAAGTATTGTATTGGGAGCACCCTTGGGACCAGGAAGAGGGATGCCCAGGTTCACACTCTGGGACCCCT
AAGACATTGTCAGTGGGTAAGGTGGAGGGCCACTGCCAGAGGCTGCTGCAGTGCCCTCTGGGAAGTGCCA
GGGACCCTCAGCTGCAGACCCAGGGGATCCCAATCCCTTATCTCTGCCTGAAAAGTGGCTATTGCTGCTT
CGTATCCTCCAGTGTCACAGGAATGCTGTGCCTGAGACATCCCACTTTAGTTTTTGTTTTCCAAACCTGT
CACTGACTCTTCATTGTGGTGACAGATCCTCTGGTTCCCCCATTGCTCAGCCTCAGGTTTATTTTGAGGG
TAACTCAGTGTCTGACTGCCCAAGTCTTTTAGGGGTTAGTTGGACCATTGTGTAAGCTTGTTTGTATGTC
TCACCTCTTTCTGGTTGGTACTTACTGTCTCACACTGCTCTGGCAAACTTGTACACACACACACACTCTC
TCTCTCTCTCACCTGGCTAAGGCTTTTAAAATTATGAAGATAAATAATCTGTTTCACCAGCTGGAGAGAG
TTGCAAGGAAGATTGCTGGAGCTACTCAATCTAGCGCTAATGGTTTGGATTCATTACTGCAAACCTACAT
AATTTAACATATTTGTTTACTTTAGTGTGACAACTGATGAAAAAAAAATGGAGCAATCTGAATTGTATAAA
ATAACTTAAGAAGGAAGAAAAGTGATATATAAATATATTTTGCAAATGTCACATTAATTTAAAAATGAGT
ATGATTGATTTTATTTTTAAAGTGGGCATTCTTCACTGTTTCGAGACCTTTGTATGTATTTGTGTATTTT
TATCTTTTTTTTTCAGGCCATTATTATAAGGTGTTATTTTGGCCCTCTAATGTAGAAGTTATGTTTAAAT
ACAACCAATCAGGCCCTAAGTGCAAAAAAGTTCTGTCTTGGTGCTTATCACTGGTATAATTATTATTTTT
TTGTTTTCCTAACTTTGCTCTTAGGAGCATGAGCCTCTTTGTAGCTTTATGGTAATGCAATATTTCTGGT
CATTTACTGTCAAAAAATTTTTTTACATTGTGTTAGTGAAGACTGTGTTTTCAGGGTTAAATGATTGGTA
TCAATGTATATAGAGTAAAATTATTGCAAAATTTAAAAATGATTTTTCTTGGCATTCTTTTTAAATACTC
TGAAACATATATGCAAATGAGAAACCTTTAATCATACTAAAGCCAGTTATGTTAAGAATTTTTCCTTTGG
ATTTTATAATTAAGAGTTGCTTATAAATACTTATGACATTGAGCTCTTACTGTTTTAGTTGTCTTAAAAG
AATGGGACATGTCATGAACTGGTTTCTTTTTTTAAAAAATTCTTGATGTGAATTCCACTGTTACCTGACC
ATGTATATTCAGATGAATGTACTCTTTCTTGTTCCTTGTTACCAGATTAATCTGAGAGAATGTGGATTCA
TCCTGTCATCTTTCTCATGCTCAAATACTTAAAATGGTTCTTTTGCCCAAAAGTCTCAGAGTCTTCATTT
TGGTACAGTGGAGTCACAACTTGTAAGGTGGTTAGGTTTTAAAGACCGTGCCTAAGGACAAAATTGAGCA
TGCTCAGAATGGTCCTTGAAAATCTCCTAAATTACCAATAAATTTCTCTTTGTAGTCTTAAAGTTTAAAT
CCCTGTGGAGTGATATGTAGGTATGAATATATTATGCTTATATTAAGTACAAAAATACAAACTGCATATC
AAGAGATTCTTATAGCATTAATAATTTCCATGCATGTGTCTTTTTCCAGTAGGTATGGTTGAATTTATGT
AAATTTATTGCTAATCCCATCCCTTACGATCTAGAGTATAAGCTGCGCAAGGGCAGAAGTTTTTATCTGG
TTTGTTCATGGATGTATTCTAAGAGCTGAGAACAGGGCCTGGACACAATAAGCATTCAATAAATATTTAC
TGAATGAATG

5' Read Nucleotide Sequence:

>OriGene 5' read for AK022911 unedited
AGATTTTGTAATACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCGAGTTTTTT
TTTTTTTTGTTTCCAAATGCTGTGGATTTTGAAACTGAACTAGAGAGCTGTATAGACATG
CCCAGAGTTATGATTACAAATTTAGGAGGTAGACGGCTCAGGAATTCCCTGGGATTGTTG
TGCTGGTGGAATGGCAGAGGGAACTTCACAGGAACCTTAGTGTTCTTTTACCTCAAAGCC
ACAGACAGGAAATAGAAAGTGGAAAAGTAATATCTCCTTTTCTTTTCCATAAGGAGTTTC
AACACTGAACTTTAAAAAATCTATCATATTCCAGCAATATTTTTTCTTTGTCCTTTATGT
TGTAAGTTGTGTGGAAAAACTACTTCGGTAAGAAATGTTACTGAGATAACAACAACTGGC
TAATACTGCATGTAGATTGCTTAGGTTTTAAAGTGACTGCCTGACTTCACATGTTATTGC
TACAGCCTCCAGTATGTTCGCATTATCTCAAACTCAGGGACCCCACAGGACAGGAGACAC
CCTTTCTGAAACTGAGTTGGAAGTGAAAGGGTGGTGATGGTTTTGGCCAAGCCTGCGGGA
GGGAAAGTATTGTATTGGGAGCACCCTTGGGACCAGGAAGAGGGATGCCCAGGTTCACAC
TCTGGGACCCCTAAGACATTGTCAGTGGGTAAGGTGGAGGGCCACTGCCAGAGGCTGCTG
CAGTGCCCTCTGGGAAGTGCCACCGACCCTCATCTGCTNGCCACCCAGAGGGATCCCAAT
CCCTTATCTCTGCCTGAAAAGTGGCTATTGCTGCTTCGTATCCTNCAGTGTCACAGGAAT
GCTGTGCCTGAGACACCCACTTTAGNTNNTGNTTTNCAAACTGTCACTGACTCTTCATTT
GTGTGACGATCTCTGNTCCCATGCTAGCTAGNTATTTGAGTACTCATGCTACTGCATCTT
TAGGTANTGACATGGAAACTGTGAGCTACTCTTTGTGACTCTGCTACTGTTGCACTGACA
CCAT

3' Read Nucleotide Sequence:

>OriGene 3' read for AK022911 unedited
AAATAGCTTGNACGCGGCCGCTTTTNANGATCGAGTTTTTTTTTTTTTTTTTATGTGTT
CAAAAAAATGTTTTTTTTATTGAATTGAATGGGAGCTAAAGTAGGATAAAGTGGAGCCAA
ATTATAAATAGGAATATAGGTAGGAGTTCATTCATTCAGTAAATATTTATTGAATGCTTA
TTGTGTCCAGGCCCTGTTCTCAGCTCTTAGAATACATCCATGAACAAACCAGATAAAAAC
TTCTGCCCTTGCGCAGCTTATACTCTAGATCGTAAGGGATGGGATTAGCAATAAATTTAC
ATAAATTCAACCATACCTACTGGAAAAAGACACATGCATGGAAATTATTAATGCTATAAG
AATCTCTTGATATGCAGTTTGTATTTTTGTACTTAATATAAGCATAATATATTCATACCT
ACATATCACTCCACAGGGATTTAAACTTTAAGACTACAAAGAGAAATTTATTGGTAATTT
AGGAGATTTTCAAGGACCATTCTGAGCATGCTCAATTTTGTCCTTAGGCACGGTCTTTAA
AACCTAACCACCTTACAAGTTGTGACTCCACTGTACCAAAATGAAGACTCTGAGACTTTT
GGGCAAAAGAACCATTTTAAGTATTTGAGTATGAGAAAGATGACAGGATGAATCCACATT
CTCTCAGATTAATCTGGTAACAAGGAACAAGAAAGAGTACATTCATCTGAATATACATGG
TCAGGTAACAGTGGAATTCACATCAAGAATTTTTTAAAAAAAGAAACCAGTTCATGACAT
GTCCCATTCTTTTAAGACAACTAANACAGTAAGAGCTCAATGTCATAAGTATTTATAAGC
AACTCTTAATTATNAAATCCAAAGGAAAAATTCTTAAACATACTGGNCTTAGTATGATTA
AAGGTTTCTCATTTGCATATATGTTTTCAAN

Restriction Sites: NotI-NotI

ACCN: AK022911

Insert Size: 2400 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:	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:	AK022911.1
RefSeq Size:	2460 bp
RefSeq ORF:	2460 bp
Locus ID:	51028
Cytogenetics:	13q14.3
Protein Families:	Transcription Factors
Protein Pathways:	Endocytosis
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]