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Product datasheet for SC108074

C14orf133 (VIPAS39) (NM_022067) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf133 (VIPAS39) (NM_022067) Human Untagged Clone
Tag:	Tag Free
Symbol:	C14orf133
Synonyms:	C14orf133; hSPE-39; SPE-39; SPE39; VIPAR; VPS16B
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_022067, the custom clone sequence may differ by one or more nucleotides

ATGAATCGGACAAAGGGTGATGAGGAGGAGTATTGGAACAGCTCCAAGTTCAAGGCTTTTACCTTTGACG
ATGAAGACGATGAGCTTTCACAGTTAAAGGAGTCCAAGCGGGCGGTGAACAGCCTCCGAGACTTCGTGGA
TGATGATGACGATGATGACCTGGAGCGAGTCAGCTGGAGTGGGGAACCTGTGGGAAGTATCTCATGGTCC
ATCAGAGAGACTGCTGGTAATAGCGGCTCAACCCACGAGGGGCGTGAACAGCTAAAGAGCCGAAACAGCT
TCTCCTCCTATGCACAACTACCCAAGCCTACTTCTACCTACTCCCTGAGCAGCTTTTTTAGAGGTAGAAC
TAGACCTGGAAGTTTCCAGTCCCTTTCTGATGCTCTGTCAGACACACCTGCCAAAAGCTATGCTCCAGAG
CTGGGGAGACCCAAAGGGGAGTATAGGGATTACAGCAATGACTGGAGCCCCAGTGATACAGTGCGACGTC
TCCGGAAGGGCAAGGTTTGCTCACTAGAGAGATTCCGCTCCTTACAGGACAAACTACAACTCCTAGAAGA
GGCAGTAAGCATGCATGATGGAAACGTCATTACTGCAGTTCTGATTTTCCTGAAGAGGACACTGAGCAAA
GAGATCCTCTTCCGAGAGCTGGAGGTGCGACAGGTTGCCCTGAGACATCTTATTCACTTCCTTAAGGAAA
TAGGGGATCAAAAGTTGCTTTTAGACCTCTTCAGGTTCCTAGATAGAACAGAAGAGCTTGCGCTATCTCA
TTATCGAGAGCATTTGAACATTCAGGACCCTGACAAACGAAAAGAATTTCTTAAAACCTGTGTTGGTTTG
CCATTTTCAGCAGAAGATTCCGCACACATACAGGACCATTACACGCTCCTGGAACGTCAGATCATTATTG
AGGCAAATGATCGCCATCTAGAATCAGCAGGACAGACTGAGATCTTCCGAAAGCACCCCCGCAAAGCCTC
CATCCTCAACATGCCACTAGTGACAACACTTTTCTACTCCTGCTTCTATCACTACACAGAGGCTGAGGGG
ACATTCAGCAGTCCCGTCAACCTGAAGAAGACATTTAAGATCCCAGATAAACAGTATGTGCTGACAGCCC
TGGCTGCTCGTGCCAAGCTTCGAGCCTGGAATGATGTAGATGCCCTATTCACCACAAAGAACTGGCTGGG
CTATACCAAGAAGAGAGCACCCATTGGCTTCCATCGGGTTGTCGAAATTTTGCACAAGAACAATGCCCCT
GTGCAGATATTACAGGAGTATGTCAATCTGGTGGAAGATGTGGACACGAAGTTGAACTTAGCCACTAAGT
TCAAGTGCCATGATGTCGTCATTGATACCTACCGGGACCTGAAGGATCGTCAACAGTTGCTAGCATACAG
GAGTAAGGTAGATAAAGGATCAGCAGAGGAGGAGAAGATTGATGCTCTTCTCAGCAGCTCGCAAATTCGA
TGGAAGAATTAA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_022067 unedited
GGGCCGCCCCCCTCCCTCTCACNNNNNGGTTAGGATTTGTATACGACTTCTATAGGCGGC
CCGCGATTCGGCACGAGGGCGCTGTCCTGAGAGGGAGGGCTCTGTGCGGAAGAGATGAAT
CGGACAAAGGGTGATGAGGAGGAGTATTGGAACAGCTCCAAGTTCAAGGCTTTTACCTTT
GACGATGAAGACGATGAGCTTTCACAGTTAAAGGAGTCCAAGCGGGCGGTGAACAGCCTC
CGAGACTTCGTGGATGATGATGACGATGATGACCTGGAGCGAGTCAGCTGGAGTGGGGAA
CCTGTGGGAAGTATCTCATGGTCCATCAGAGAGACTGCTGGTAATAGCGGCTCAACCCAC
GAGGGGCGTGAACAGCTAAAGAGCCGAAACAGCTTCTCCTCCTATGCACAACTACCCAAG
CCTACTTCTACCTACTCCCTGAGCAGCTTTTTTAGAGGTAGAACTAGACCTGGAAGTTTC
CAGTCCCTTTCTGATGCTCTGTCAGACACACCTGCCAAAAGCTATGCTCCAGAGCTGGGG
AGACCCAAAGGGGAGTATAGGGATTACAGCAATGACTGGAGCCCCAGTGATACAGTGCGA
CGTCTCCGGAAGGGCAAGGTTTGCTCACTAGAGAGATTCCGCTCCTTACAGGACAAACTA
CCACTCCTAGAAGAGGCAGNTAGCATGCATGATGGAAACGTCATTACTGCAGTTCTGATT
TTCCTGAAGAGGACACTGAGCAAGAGATCCTCTTCCGAGAGCTGGNAGTGCGACAAGGTG
CCCTGAGACATCCTATTCACTTCCTTANGAAATANGGGATCAAAAGTTGCTTTTGACCTC
TCCAGGNTCCTAGAAGAACAGAAGAGCTTGCGCTATCTATTATCGAGACTTTTGACATTC
ACGACCCTGACAACGAAAGAATTTCTAAACCTGGGTGGGTTGCCTTTTCACAGAGAATCC
GCCCATACCGGACATTCCCCTTCTGGACGTCGATCATTATGAGCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_022067 unedited
CGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTGAAGGCCCCCAGGGAAAAAATACCTTTTTTAGGAGTCTAGGCCTG
TCAAAAAAACCCCGTTCAGTCCCAAAAAAGGGGGCAAATTTTGGTACAGAGCAAGAATCC
AAGGGGGAAAATAAAACCTCCCTTTAAATATCCTAACAAAAATGCTGGTGAATTTAACCC
AGGGGAAACTTTTGAAAGCTCCTGGGGAAATGAAATTTTTGCATAAAAAAAGAGCTTTCC
AACACTGGTGGATTTGAGCTTTTTATAAAGGGACGGGTCTTGGCCCGCAGTTAAGGAAAA
AATAAAGGGGATGTCTTATTACCCAAACAAGGTCGTCTGTGTTCAAGTGAAAAAAAAACC
TTTGGGTTTTGGACAAAGTAAACTGGGGCAACAAAGGGAAAATGGCTGAGGAAACACAAC
GTCTAGGCCGGGTGTGGCATAATGGGGAGGGGTCTGTGCACTCTGGTGTGAGTGCCTTTT
CAGGAGGTCTTGGGAAACACTGGCATTCCTTTCTGTGGCCATTTTGGGTCTTGTTTGACT
TCATTTAAAACCAAACTTGCCCATTGTCCACCGCCAAGTCCTGGATCATAATTAGCTGAG
GGGAAAGGAGTACCCCCCCCTTTGACTCCCATACCTTTTTCTTTTCTGGAACAGTCACTT
TTTTTTAAACCCAGGGGAAATTTTCCCCGTTGGGGCCCCATTTTGAAATCACTTCCCCCT
TTTATTAACCCCACAGGGGAAAAAATACTTTTCTAGAACACAAGCTTATAATCCCAACCT
CAAAAAGAGGCCCTTTGACAAGAAAAAAATTTTGAATTTTCTTGGTCAACAAAACCCGGC
ACCTTGCCTTTGGTTATTGGCCCCCCNCATAGTGGTGCCCCCGCCTTCTCCACAAAAACT
TCTTTTGTTTTCAAGCCAGAAAGGAGAT

Restriction Sites: NotI-NotI

ACCN: NM_022067

Insert Size: 2770 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: NM_022067.2, NP_071350.2

RefSeq Size: 2810 bp

RefSeq ORF: 1482 bp

Locus ID: 63894

UniProt ID: Q9H9C1

Cytogenetics: 14q24.3

Gene Summary: This gene encodes a protein involved in the sorting of lysosomal proteins. Mutations in this gene are associated with ARCS2 (arthrogryposis, renal dysfunction, and cholestasis-2). Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jul 2010] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2, 3 and 4 encode the same protein (isoform 1).