

Product datasheet for **RC231235**

C14orf133 (VIPAS39) (NM_001193316) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	C14orf133
Synonyms:	C14orf133; hSPE-39; SPE-39; SPE39; VIPAR; VPS16B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RC231235 representing NM_001193316
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGAATCGGACAAAGGGTGATGAGGAGGAGTATTGGAACAGCTCCAAGTTCAAGGCTTTTACCTTTGACG
 ATGAAGACGATGAGCTTTACAGTTAAAGGAGTCCAAGCGGGCGGTGAACAGCCTCCGAGACTTCGTGGA
 TGATGATGACGATGATGACCTGGAGCGAGTCAGCTGGAGTGGGGAACCTGTGGGAAGTAGAACTAGACCT
 GGAAGTTTCCAGTCCCTTTCTGATGCTCTGTGACACACCTGCCAAAAGCTATGCTCCAGAGCTGGGGA
 GACCCAAAGGGGAGTATAGGGATTACAGCAATGACTGGAGCCCCAGTGATACAGTGCGACGCTCCCGGAA
 GGGCAAGGTTTGCTCACTAGAGAGATTCCGCTCCTTACAGGACAACTACAACCTCCTAGAAGAGGCAGTA
 AGCATGCATGATGGAACGTCATTACTGCAGTTCTGATTTTCTGAAGAGGACACTGAGCAAAGAGATCC
 TCTTCCGAGAGCTGGAGGTGCGACAGGTTGCCCTGAGACATCTTATTCATTCTTAAGGAAATAGGGGA
 TCAAAAGTTGCTTTAGACCTCTTCAGGTTCTAGATAGAACAGAAGAGCTTGCCTATCTCATTATCGA
 GAGCATTTGAACATTGAGGACCTGACAAACGAAAAGAATTTCTTAAACCTGTGTTGGTTTGCCATTTT
 CAGCAGAAGATTCGCGACACATACAGGACCATTACACGCTCCTGGAACGTCAGATCATTATTGAGGCAAA
 TGATCGCCATCTAGAATCAGCAGGACAGACTGAGATCTTCCGAAAGCACCCCGCAAAGCCTCCATCCTC
 AACATGCCACTAGTGACAACACTTTTCTACTCTGCTTCTATCACTACACAGAGGCTGAGGGGACATTCA
 GCAGTCCCGTCAACCTGAAGAAGACATTTAAGATCCAGATAAACAGTATGTGCTGACAGCCCTGGCTGC
 TCGTGCCAAGCTTCGAGCCTGGAATGATGTAGATGCCCTATTCACCACAAAGAACTGGCTGGGCTATACC
 AAGAAGAGAGCACCCATTGGCTTCCATCGGGTTGTCGAAATTTGCACAAGAACAATGCCCTGTGCAGA
 TATTACAGGAGTATGTCAATCTGGTGAAGATGTGGACACGAAGTTGAAGTTAGCCACTAAGTTCAAGTG
 CCATGATGTCGTCATTGATACCTACCGGGACCTGAAGGATCGTCAACAGTTGCTAGCATACAGGAGTAAG
 GTAGATAAAGGATCAGCAGAGGAGGAGAAGATTGATGCTCTTCTCAGCAGCTCGCAAATTCGATGGAAGA
 AT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231235 representing NM_001193316
 Red=Cloning site Green=Tags(s)

MNRTKGDEEEYWNSSKFKAFTFDDDELSQLKESKRAVNSLRDFVDDDDDDLERVSWSGEPVGSRTTRP
 GSFQSLSDALSDTPAKSYAPELGRPKGEYRDYSNDWSPSDTVRRLRKGVCSLERFRSLQDKLQLLEEAV
 SMHDGNVITAVLIFLKRTLKEILFRELEVRQVALRHLIHLKEIGDQKLLDLFRFLDRTEELALSHYR
 EHLNIQDPDKRKEFLKTCVGLPFSAEDSAHIQDHYTLERQIIIEANDRHLESAGQTEIFRKHPRKASIL
 NMPLVTTLFYSCFYHYTEAEGTFSSPVNLKTKFKIPDKQYVLTALAARAKLRAWNDVDALFTTKNLGYT
 KKRAPIGFHRVVEILHKNNAPVQILQEYVNLVEDVDTKLNLATKFKCHDVVIDTYRDLKDRQQLLAYRSK
 VDKGSAAEEKIDALLSSSQIRWKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8060_c12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001193316

ORF Size: 1332 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001193316.2](#)

RefSeq ORF: 1335 bp

Locus ID: 63894

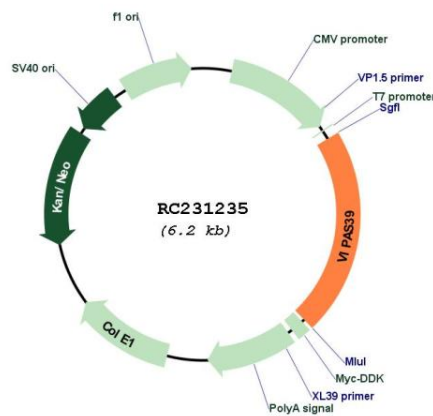
UniProt ID: [Q9H9C1](#)

Cytogenetics: 14q24.3

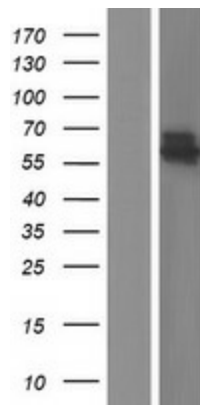
MW: 52 kDa

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]

Product images:



Circular map for RC231235



Western blot validation of overexpression lysate (Cat# [LY434234]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231235 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).