

Product datasheet for **RG202264**

C14orf133 (VIPAS39) (NM_022067) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf133 (VIPAS39) (NM_022067) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C14orf133
Synonyms:	C14orf133; hSPE-39; SPE-39; SPE39; VIPAR; VPS16B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG202264 representing NM_022067
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATCGGACAAAGGGTGATGAGGAGGAGTATTGGAACAGCTCCAAGTTCAAGGCTTTTACCTTTGACG
 ATGAAGACGATGAGCTTTTACAGTTAAAGGAGTCCAAGCGGGCGGTGAACAGCCTCCGAGACTTCGTGGA
 TGATGATGACGATGATGACCTGGAGCGAGTCAGCTGGAGTGGGGAACCTGTGGGAAGTATCTCATGGTCC
 ATCAGAGAGACTGCTGTAATAGCGGCTCAACCCACGAGGGGCGTGAACAGCTAAAGAGCCGAAACAGCT
 TCTCCTCTATGCACAACACCAAGCCTACTTCTACCTACTCCCTGAGCAGCTTTTTTAGAGGTAGAAC
 TAGACCTGGAAGTTTCCAGTCCCTTTCTGATGCTCTGTCAGACACACCTGCCAAAAGCTATGCTCCAGAG
 CTGGGGAGACCCAAAGGGGAGTATAGGGATTACAGCAATGACTGGAGCCCCAGTGATACAGTGCGACGTC
 TCCGGAAGGGCAAGGTTTGCTCACTAGAGAGATTCCGCTCCTTACAGGACAACTACAACCTCTAGAAGA
 GGCAGTAAGCATGCATGATGGAACGTCATTACTGCAGTTCTGATTTTCTGAAGAGGACACTGAGCAAA
 GAGATCCTCTCCGAGAGCTGGAGGTGCGACAGGTTGCCCTGAGACATCTTATCACTTCCTTAAGGAAA
 TAGGGGATCAAAAGTTGCTTTTAGACCTCTTCAGGTTCTAGATAGAACAGAAGAGCTTGCCTATCTCA
 TTATCGAGAGCATTGTAACATTCAGGACCTGACAAACGAAAAGAATTTCTTAAACCTGTGTTGGTTTG
 CCATTTTCAGCAGAAGATTCCGCACACATACAGGACCATACACGCTCCTGGAACGTGAGATCATTATTG
 AGGCAATGATCGCCATCTAGAATCAGCAGGACAGACTGAGATCTTCCGAAAGCACCCCCGAAAGCCTC
 CATCTCAACATGCCACTAGTGACAACACTTTTCTACTCCTGCTTCTATCACTACACAGAGGCTGAGGGG
 ACATTGAGCAGTCCCGTCAACCTGAAGAAGACATTTAAGATCCCAGATAAACAGTATGTGCTGACAGCCC
 TGGCTGCTCGTGCCAAGCTTCGAGCCTGGAATGATGATAGATGCCCTATTACACACAAGAAGTGGCTGGG
 CTATACCAAGAAGAGAGCACCCATTGGCTTCCATCGGGTTGTCGAAATTTGCACAAGAACAATGCCCT
 GTGCAGATATTACAGGAGTATGTCAATCTGGTGAAGATGTGGACAGGAAGTTGAAGTTAGCCACTAAGT
 TCAAGTGCCATGATGTCGTCATTGATACCTACCGGACCTGAAGGATCGTCAACAGTTGCTAGCATACAG
 GAGTAAGGTAGATAAAGGATCAGCAGAGGAGGAGAAGATTGATGCTCTTCTCAGCAGCTCGCAAATTCGA
 TGAAGAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

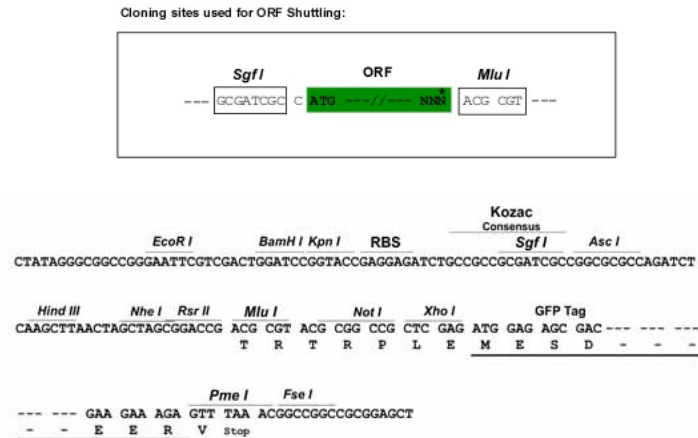
>RG202264 representing NM_022067
 Red=Cloning site Green=Tags(s)

MNRTKGDEEEYWNSSKFAFTFDDDELSQLKESKRAVNSLRDFVDDDDDLERVSWSGEPVGSISWS
 IRETAGNSGSTHEGREQLKSRNSFSSYAQLPKPTSTYLSSSFRRGRTRPGSFQSLSDALSDTPAKSYAPE
 LGRPKGEYRDYSNDWSPSDTVRRLRKGKVCSLERFSLQDKLQLEEAVSMHGDGNVITAVLIFLKRTLK
 EILFRELEVQRVALRHLIHLKEIGDQKLLDLFRFLDRTEELALSHYREHLNIQDPDKRKEFLKTCVGL
 PFSAEDSAHIQDHYTLLEQRQIIIEANDRHLESAGQTEIFRKHPRKASILNMLVTTLFYSCFYHYTEAEG
 TFSSPVNLKKTFFKIPDKQYVLTALAARAKLRAWNDVDALFTTKNWLGYTKKRAPIGFHRVVEILHKNNAP
 VQILQEYVNLVEDVDTKLNLATKFKCHDVVIDTYRDLKDRQQLLAYRSKVDKGSAAEEKIDALLSSSQIR
 WKN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_022067

ORF Size: 1479 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.

RefSeq: [NM_022067.4](#)

RefSeq Size: 2810 bp

RefSeq ORF: 1482 bp

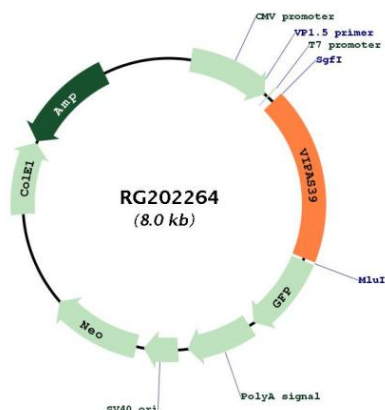
Locus ID: 63894

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]

Product images:


Circular map for RG202264