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Product datasheet for RR214633

Vps35 (NM_001105718) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Vps35 (NM_001105718) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Vps35
Synonyms:	Mem3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RR214633 representing NM_001105718
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCTACAACACAGCAATCACCCCAGGATGAGCAAGAAAAACTCTTGGATGAAGCCATCCAGGCTGTGA
AAGTTCAATCATTCCAGATGAAAAGATGCCTGGACAAAAACAAGCTGATGGACGCTCTGAAACATGCCTC
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TCATCCTT

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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214633 representing NM_001105718
Red=Cloning site Green=Tags(s)

MPTTQQSPQDEQEKLLDEAIQAVKVQSFQMKRCLDKNKLMDALKHASNMLGELRTSMLSPKSYYELYMAI
SDELHYLEVYLTDEFAKGRKVADLYELVQYAGNIIPRLYLLITVGVVYVKSFPQSRKDILKDLVEMCRGV
QHPLRGLFLRNYLLQCTRNILPDEGEPTDEETTGDISDSMDFVLLNFAEMNKLWVRMQHQGHSRDREKRE
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PFLRACAELHQNVNVKNIIIALIDRLALFAHREDGPGIPAEIKLFDIFSQQVATVIQSRQDMPSEDVVSL
QVSLINLAMKCYPDRVDYVDKVLETTVEIFNKLNLEHIATSSAVSKELTRLLKIPVDTYNNILTVLKLKH
FHPLFEYFDYESRKSMSCYVLSNVLDYNTEIVSQDQVDSIMNLVSTLIQDQPDQPVEDPDPEDFADEQSL
VGRFIHLLRSEDPDQQYLILNTARKHFGAGGNQRIRFTLPPLVFAAYQLAFRYKENSQMDDKWEKKCQKI
FSFAHQTISALIKAELAELPLRLFLQGALAAGEIGFENHETVAYEFMSQAFSLYEDELSDSKAQLAAITL
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KKALKIANQCMDPSLQVQLFIEILNRYIYFYEKENDAVTIQVLNQLIQKIREDLPNLESSEETEQINKHF
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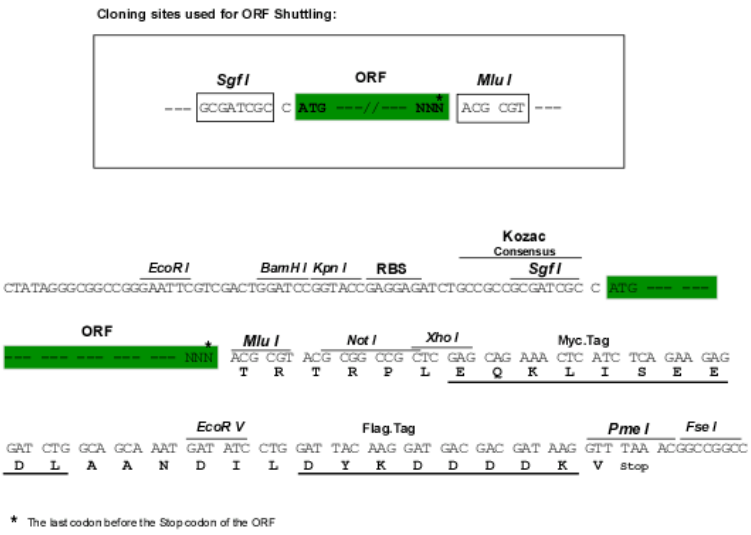
Restriction Sites: SgfI-MluI

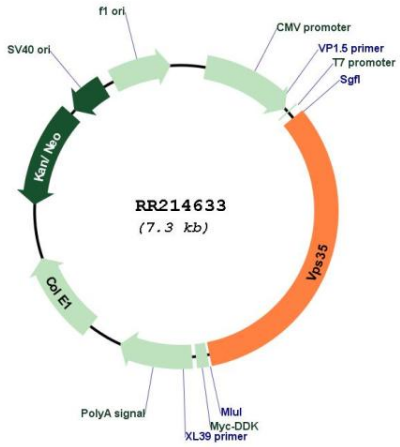
Cloning Scheme:



ACCN:	NM_001105718
ORF Size:	2388 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_001105718.2, NP_001099188.2
RefSeq Size:	3196 bp
RefSeq ORF:	2391 bp
Locus ID:	25479
Cytogenetics:	19q11
MW:	91.7 kDa
Gene Summary:	mouse homolog is a hydrophilic membrane protein having a direct role in the retrieval of cargo proteins [RGD, Feb 2006]

Product images:



Circular map for RR214633