

Product datasheet for **RN201752**

Clvs1 (NM_001108969) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clvs1 (NM_001108969) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Clvs1
Synonyms:	Clavesin-1; RGD1564200; Rlbp111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN201752 representing NM_001108969 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGGACCAGTTTCTGTTCTTCCAAACCTCAGAGCATAAGCACTTGGGAAGGAGATTTGGCCAAGATGA
CACATTTCAGGCCGGGCTCAGTCCAGACACGATAGAGAAAGCTCGCCTGGAAGTGAATGAAACCCAGA
TGTTTTACATCAGGACATTCAACAGGTCAGAGACATGATCATCACCAGGCCAGACATTGGATTTTACGT
ACAGATGATGCCTTCATCCTGCGGTTTCTCCGAGCCAGGAAGTTTACCAAGCCGATGCCTTCAGACTCC
TGGCCAGTATTTTCAGTACCGCCAGCTAAACCTGGACATGTTCAAAAACCTTAAGGCAGACGATCCCGG
GATTAAGAGGGCTTTGATCGATGGATTCGCCGAGTGTTGGAAAATCGTGACCACTACGGCAGGAAGATT
CTCCTGCTGTTTCTGCCAATTGGGATCAGAGTAGGAACCTCTTCACAGACATCCTTCGCCCATCTTCC
TGTCCTTGGAAAGTCCTTATCGAAGATCCTGAGCTCCAGATAAATGGTTTCATTTTAATTATAGACTGGAG
TAATTTTCTCCTCAACAAGCCTCCAAGCTGACACCGTCGATCCTGAAACTGGCCATTGAAGGGCTGCAG
GACAGCTTTCCTGCTCGCTTGGAGGAGTCCATTTGTCAACCAGCCCTGGTACATCCATGCCCTGTACA
CGCTCATCAAGCCATTCTCAAAGACAAGACAAGAAAACGGATTTTCTACATGGGAACAACCTTGAACAG
CCTTCACCAGCTAATACACCTGAGTTTCTGCCCTCTGAATTTGGAGGAACCTTCTCCTTATGACATG
GGGACTTGGGCCCGGACATTACTTGGCCCTGACTACAGCGATGAAAATGACTATACCCACACTTCTTACA
ATGCCATGTATGTGAAACACACCTGCTCCAACCTGGAGAGAGAGTGCTCGCCCAAGCCCATGAAAAGATC
TCAGTCCGTGGTAGAAGCTGGGACCTTGAAACATGAAGAGAAGGGGAAAACGAGAACACCCAGCCACTG
CTGGCTCTGGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001108969
Insert Size:	1065 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:	<u>NM_001108969.1</u> , <u>NP_001102439.1</u>
RefSeq Size:	3833 bp
RefSeq ORF:	1065 bp
Locus ID:	366311
UniProt ID:	<u>A6JFQ6</u>
Cytogenetics:	5q13
Gene Summary:	Required for normal morphology of late endosomes and/or lysosomes in neurons. Binds phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2).[UniProtKB/Swiss-Prot Function]