

Clavesin 1 (CLVS1) (NM_173519) Human Tagged ORF Clone

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Clavesin 1
Synonyms:	C6orf212L; CRALBPL; RLBPIL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG206628 representing NM_173519

Red=Cloning site Green=Tags(s)

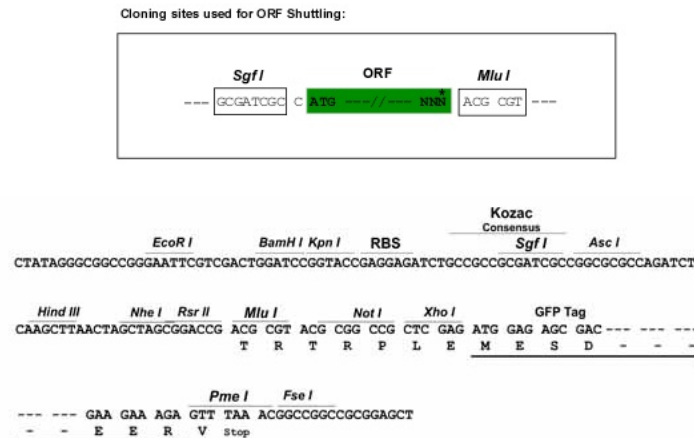
MGPVSLLPKYQKLTWNGDLAKMTHLQAGLSPETIEKARLELNENPDVLHQDIQQVRDMMITRPDIGFLR
TDDAFILRFLRARKFHQADAFRLLAQYFQYRQLNLMFKNFKADDPGKRALIDGFPGVLENRDHYGRKI
LLLFAANWDQSRNSFTDILRAILLLEVLIEDPELQINGFILIIDWSNFSFKQASKLTPSILKLAIEGLQ
DSFPARFGGVHFNQPYWYIHALYTLIKPFLKDKTRKRIFLHGNNLSLHQLIHPEFLPSEFGGTLPPYDM
GTWARTLLGPDYSDENDYTHTSYNAMHVKHTSSNLERECSPKLMKRSQSVVEAGTLKHEEKGENENTQPL
LALD

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_173519

ORF Size:

1062 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_173519.3](#)

RefSeq Size: 3549 bp

RefSeq ORF: 1065 bp

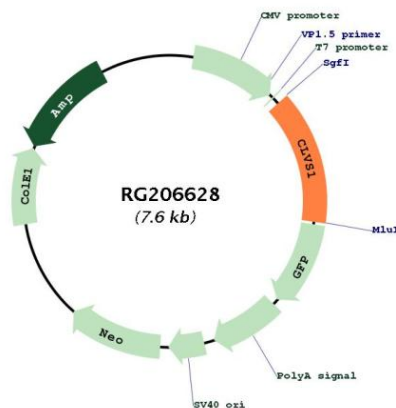
Locus ID: 157807

UniProt ID: [Q8IUQ0](#)

Cytogenetics: 8q12.2-q12.3

Gene Summary: Required for normal morphology of late endosomes and/or lysosomes in neurons (By similarity). Binds phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206628