OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG216676

Epsin 2 (EPN2) (NM_001102664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epsin 2 (EPN2) (NM_001102664) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	EPN2
Synonyms:	EHB21
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG216676 representing NM_001102664
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCAGAGAAGTGGCTGAGCAGGAAGAACGCCTCAGGCGGGGTGATGACCTCAGATTACAGATGGCCC
TGGAAGAAAGCCGAAGGGACACAGTTAAAATTCCAAAAAAGAAAGAGCATGGCTCTCTCCCACAGCAGAC
TACGCTGTTGGATTTAATGGATGCTCTCCCCAGCTCGGGCCCCGCGGCCCAGAAAGCAGAGCCCTGGGGC
CCGTCAGCCTCCACTAACCAGACCAACCCCTGGGGCGGGCCAGCGGCTCCTGCGAGTACTTCAGACCCCT
GGCCATCGTTTGGTACCAAGCCAGCTGCCTCCATTGACCCATGGGGGGTGCCCACTGGAGCCACCGTACA
ATCTGTCCCCAAGAACTCGGACCCCTGGGCAGCTTCACAGCAGCCTGCCTCCAGTGCTGGGAAAAGAGCT
TCTGACGCGTGGGGCGCAGTCTCCACCACCAAGCCCGTGTCTGTCTCTGGGTCCTTTGAGCTCTTCAGTA
ATCTGAATGGTACAATTAAAGATGACTTTTCTGAATTTGACAACCTTCGGACTTCAAAAAAAACAGCCGA
ATCTGTGACCTCTCTGCCATCCCAAAACAATGGAACTACCAGCCCTGACCCCTTTGAGTCTCAACCCCTG
ACTGTCGCCTCAAGCAAGCCCAGCAGTGCCCGGAAAACACCTGAGTCCTTCCTGGGCCCCAACGCGGCCC
TGGTGAACCTGGACTCACTGGTGACCAGGCCTGCCCCACCAGCCCAGTCCCTCAACCCTTTCCTGGCACC
AGGTGCTCCCGCCACCTCGGCCCCTGTTAACCCTTTCCAGGTGAACCAGCCCCAGCCGCTGACACTGAAC
CAGCTTCGGGGGAGCCCAGTCCTGGGGACCAGCACATCCTTTGGGCCTGGCCCAGGAGTGGAGTCCATGG
CTGTGGCCTCGATGACCTCCGCGGCCCCACAGCCAGCTCTGGGGGCCACTGGTTCCTCTCTGACACCACT
GGGCCCTGCAATGATGAACATGGTGGGCAGTGTGGGTATACCCCCATCAGCAGCCCAGGCCACTGGCACA
ACCAACCCTTTCCTTCTC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

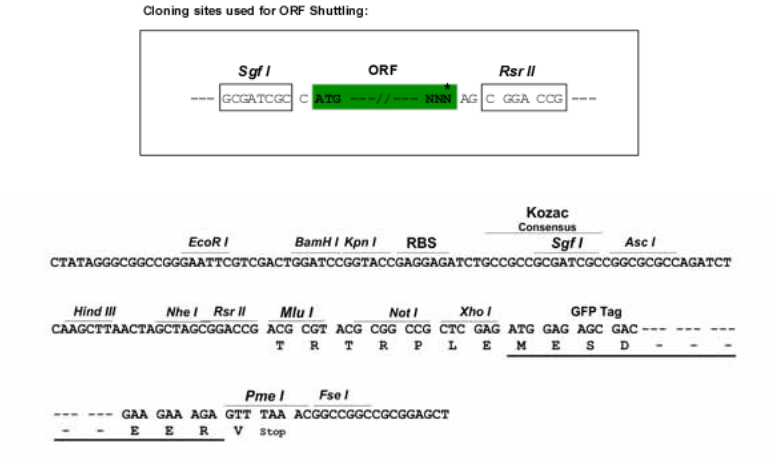
>RG216676 representing NM_001102664
Red=Cloning site Green=Tags(s)

MSREVAEQEERLRRGDDLRLQMALEESRRDTVKIPKKKEHGSLPQQTTLLDLMDALPSSGPAAQKAEPWG
PSASTNQTNPWGGPAAPASTSDPWPSFGTKPAASIDPWGVPTGATVQSVPKNSDPWAASQQPASSAGKRA
SDAWGAVSTTKPVSVSGSFELFSNLNGTIKDDFSEFDNLRTSKKTAESVTSLPSQNNGTTSPDPFESQPL
TVASSKPSSARKTPESFLGPNAALVNLDSLVTRPAPPAQSLNPFLAPGAPATSAPVNPFQVNQPQPLTLN
QLRGSPVLGTSTSFGPGPGVESMAVASMTSAAPQPALGATGSSLTPLGPAMMNMVGSVGIPPSAAQATGT
TNPFLL

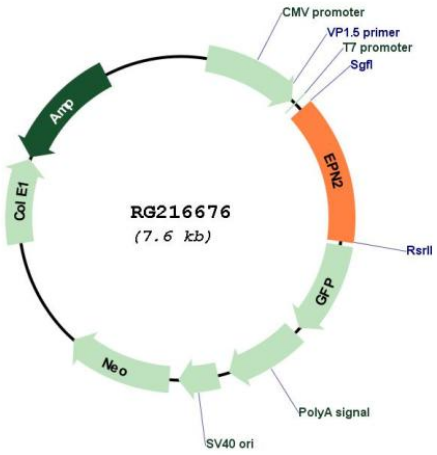
SGPTRTRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001102664

ORF Size:	1068 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_001102664.1, NP_001096134.1
RefSeq Size:	3776 bp
RefSeq ORF:	1071 bp
Locus ID:	22905
UniProt ID:	O95208
Cytogenetics:	17p11.2
Protein Pathways:	Endocytosis
Gene Summary:	This gene encodes a protein which interacts with clathrin and adaptor-related protein complex 2, alpha 1 subunit. The protein is found in a brain-derived clathrin-coated vesicle fraction and localizes to the peri-Golgi region and the cell periphery. The protein is thought to be involved in clathrin-mediated endocytosis. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]