

Product datasheet for **RG226076**

Epsin 1 (EPN1) (NM_001130071) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Epsin 1 (EPN1) (NM_001130071) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Epsin 1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG226076 representing NM_001130071
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGATCAGAGCTGGCTCTGGAACCAAGCTGCTCCAGGAGTAAGGAGCCAGTCTTTGCATGCAGTG
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 GCCCGGCTCCCGGACGCTCACCCCTGAACAGCTCCGTCTCAGTCTGTGCCTCCCGTCCCTGGAGCG
 CCACCCACGTACATCTCTCCCTTGGCGGGGCCCTGGCCTGCCCCCATGATGCCCCGGGCCCCCGG
 CCCCCAACACTAATCCCTTCTCCTA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG226076 representing NM_001130071
 Red=Cloning site Green=Tags(s)

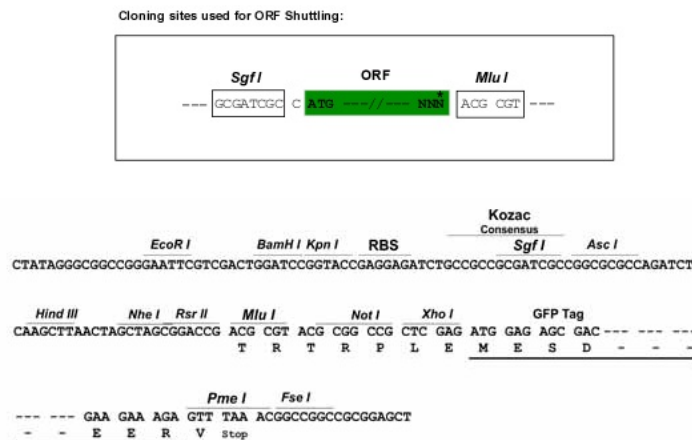
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001130071

ORF Size: 1986 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_001130071.1](#), [NP_001123543.1](#)

RefSeq Size: 2964 bp

RefSeq ORF: 1989 bp

Locus ID: 29924

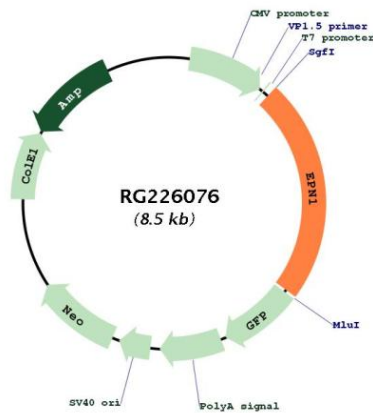
UniProt ID: [Q9Y6I3](#)

Cytogenetics: 19q13.42

Protein Pathways: Endocytosis

Gene Summary: This gene encodes a member of the epsin protein family. The encoded protein binds clathrin and is involved in the endocytosis of clathrin-coated vesicles. Loss of function of this gene is associated with reduced tumor growth and progression in certain cancer types. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RG226076