

Product datasheet for **RG224659**

EN1 (NM_001426) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: EN1 (NM_001426) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: EN1
Synonyms: ENDOVESLB
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224659 representing NM_001426
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAAGAACAGCAGCCGGAACCTAAAAGTCAGCGGACTCGGCCCTCGGCGGCGGGCGGCGGACTC
 CGGGCGGCTCAGCCTGAGCCTCAGTCCGGGCGCCAGCGGAGCAGCGGAGCGGAGGAGGAGGAGG
 CGTGCCGGTGTCCCGCAGCCTGCGCCCCCTCGCCGCCCGGGCGCCTTGCTGCCGCCCTGGCCAC
 CACCCGCACCTCCCCCACACCCCGCCCCCGCCCTCAGCATCTCGGGCGCCTGCTACCAGCCGC
 AGCCAGCGGCCAGCTGCACCGACCACCAACTTTTTTCATCGACAACATCCTGAGCCGGACTTCGGCTG
 CAAAAAGGAGCAGCCGCCACCGAGCTTCTGGTGGCTGCGGCGGCCAGAGGAGGCGAGGAGGAGGAGG
 CGGGTCGAGCGTGACAGAGGCCAGACTGCCGAGGTAGAGACCTGTCCACCCGTTGGGCACCCGGGCGC
 CAGGCGCTGCCTCGCTCCTGTGCGCCCCGACGCGAACTGTGGCCACCCGACGGCTCCCAGCCAGCCGC
 CGCCGGCGCGGGCGGTCTAAAGCTGGGAACCCGGCTGCGGCGGCGGGCGGCGGCCGCGGCGGAGTGGCG
 GCGGCGGCGGGCGGCGCAGCAGCAAGCCCTCGGACACCGGTGGCGGCGGCGGCGGCGGCGGCGGGA
 GCCCGGAGCGCAGGGCACCAATACCCGAGCAGGCAACCCGGCTATCCTACTTATGGGCTCAGCCAA
 CGGCGGGCCCGTGGTCAAACCTGACTCGCAGCAGCCTCTCGTATGGCCCGCTGGGTGTACTGCACACGT
 TATTCGGATCGTCCATCCTCCGGTCCGCGCACCAGGAAGCTGAAGAAGAAGAAGCAGAGAGGAGGACA
 AGCGGCCGCGGACCGGTTACGGCCGAGCAGCTGCAGAGACTCAAGGCGGAGTTCCAGGCAACCGCTA
 CATCACGAGCAGCGGCGCAGACCCTGGCCAGGAACCTCAGCCTCAACGAGTCCAGATCAAGATCTGG
 TTCCAGAACAAGCGGCCAAGATCAAGAAAGCCACAGGCATCAAGAACGGCTGGCGCTGCACCTCATGG
 CCCAGGGACTGTACAACCACTCCACCACCAGTCCAGGACAAAGACGAGAGCGAG

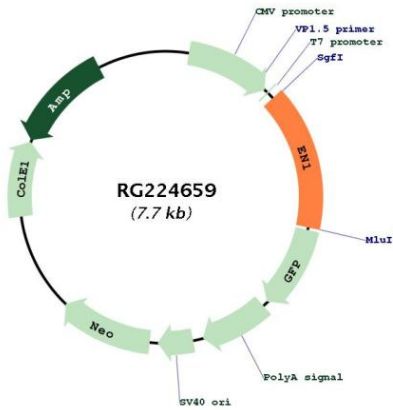
AC**CGT**ACGCGGCGGCTCGAG - GFP Tag - GTTAA



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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:	<ol style="list-style-type: none">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_001426.2 , NP_001417.2
RefSeq Size:	2943 bp
RefSeq ORF:	1179 bp
Locus ID:	2019
UniProt ID:	Q05925
Cytogenetics:	2q14.2
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS
Gene Summary:	Homeobox-containing genes are thought to have a role in controlling development. In <i>Drosophila</i> , the 'engrailed' (<i>en</i>) gene plays an important role during development in segmentation, where it is required for the formation of posterior compartments. Different mutations in the mouse homologs, <i>En1</i> and <i>En2</i> , produced different developmental defects that frequently are lethal. The human engrailed homologs 1 and 2 encode homeodomain-containing proteins and have been implicated in the control of pattern formation during development of the central nervous system. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG224659