

## Product datasheet for **RG220195**

### **POTEG (NM\_001005356) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	POTEG (NM_001005356) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	POTEG
Synonyms:	A26C2; ACTBL1; CT104.4; POTE-14; POTE14; POTE14alpha; POTE22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG220195 representing NM\_001005356  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTGGCTGAGGCTGGTTCAATGCCGGCTGCCTCCTCTGTGAAGAAGCCATTTGGTCTCAGAAGCAAGA  
 TGGGCAAGTGGTCCGCCACTGCTTCCCCTGGTGCAGGGGAGCGGCAAGAGCAACGTGGGCACTTCTGG  
 AGACCACGACGATTCTGCTATGAAGACACTCAGGAGCAAGATGGGCAAGTGGTCCGCCACTGCTTCCCC  
 TGGTGCAGGGGAGCAGCAAGAGCAACGTGGGCACTTCTGGAGACCACGACGACTCTGCTATGAAGACAC  
 TCAGGAGCAAGATGGGCAAGTGGTGTGCCACTGCTTCCCCTGCTGCAGGGGAGCGGCAAGAGCAAAGT  
 GGGCCCTTGGGGAGACTACGACGACAGCGCTTTCATGGAGCCGAGGTACCACGTCCGTCGAGAAGATCTG  
 GACAAGCTCCACAGAGCTGCCTGGTGGGTAAAGTCCCCAGAAAGGATCTCATCGTCATGCTCAAGGACA  
 CTGACATGAACAAGAAGGACAAGCAAAAAGAGGACTGCTCTACATCTGGCCTCTGCCAATGAAAATTCAGA  
 AGTAGTAAAACCTCTGCTGGACAGACGATGTCACTTAATATCCTTGACAACAAAAGAGGACAGCTCTG  
 ACAAAAGCCGTACAATGCCGGGAAGATGAATGTGCGTTAATGTTGCTGGAACATGGCACTGATCCGAATA  
 TTCCAGATGAGTATGAAATACCGCTCTACACTATGCTATCTACAATGAAGATAAATTAATGGCCAAAGC  
 ACTGCTCTTATACGGTGTGATATCGAATCAAAAAACAAGCATGGCCTCACACCACTGTTACTTGGTGTGA  
 CATGAGCAAAAACAGCAAGTGGTGAATTTTTAATCAAGAAAAAGCAAAATTTAATGCACTGGATAGAT  
 ATGGAAGAAGTGTCTCATACTTGTGTATGTTGTGGATCGGCAAGTATAGTCAGCCTTCTACTTGGACA  
 AAACATTGATGTATCTTCAAGATCTATCTGGACAGACGGCCAGAGAGTATGCTGTTTCTAGTCATCAT  
 AATGTAATTTGCCAGTTACTTTCTGACTACAAAGAAAAACAGATGCTAAAAGTCTTTCTGAAAACAGCA  
 ATCCAGAAACAAGACTTAAAGTACATCAGAGGAAGAGTACAAAGGCTTAAAGGAAGTGAATAAGCA  
 GCCAGAGGAAATGTCTCAAGAACCAGAAAATAAATGAGGTGGTGTAGAAAAGTTGAAGAAGAAATGAAG  
 AAGCACGGAAGTACTCATATGGATTCCCAGAAAACCTGCCTAACGGTGGCACTGCTGACATGGTGTATG  
 ATGGATTAATCCACCAAGGAAAAGCAGAACACCTGAAAGCCAGCAATTTCTGACACTGAGAATGAACA  
 GTATCACAGTGTGAACAAAATGATACTCAGAAGCAACTTTCTGAAGAACAGAACTGGAATATTACAA  
 GATGAGATTCTGATTCATGAAGAAAAGCAGATAGAAGTGGCTGAAAATGAATTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG220195 representing NM\_001005356  
 Red=Cloning site Green=Tags(s)

MVAEAGSMPAASSVKKPFGLRSKMGKWRHCFPWCRGSGKSNVGTSGDHDDSAMKTLRSKMGKWRHCFP  
 WCRGSSKSNVGTSGDHDDSAMKTLRSKMGKWCCHCFPCCRGSGKSKVGPWGDYDDSAFMEPRYHVRREDL  
 DKLHRAAWWGKVPKDLIVMLKDTDMNKKDKQKRTALHLASANGNSEVVKLLLDRRQNLNLDNKKRTAL  
 TKAVQCREDECALMLLEHGTDPNIPDEYGNALHYAIYNEDKLMAKALLLYGADIESKNKHGLTPLLLGV  
 HEQKQQVVKFLIKKANLNALDRYGRALILAVCCGSASIVSLLLEQNIDVSSQDLSGQTAREYAVSSH  
 NVICQLLSDYKEKQMLKVSSSENSNPEQDLKLTSEESQRLKSENSQPEEMSQPEPEINKGGDRKVEEEMK  
 KHGSTMGFENLPNGATADNGDDGLIPPRKSRTPESSQFPDTENEQYHSDEQNDTQKQLSEEQNTGILQ  
 DEILIHEEKQIEVAENEF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

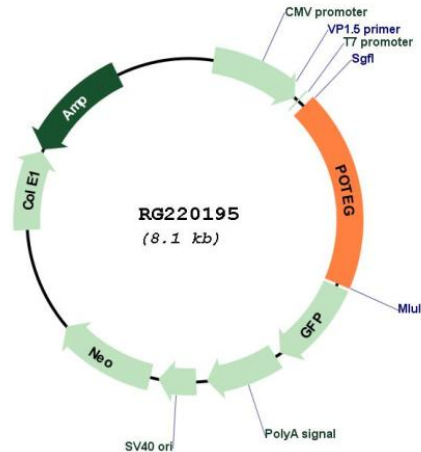
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



## Plasmid Map:



ACCN: NM\_001005356

ORF Size: 1524 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\\_001005356.1](#), [NP\\_001005356.1](#)

**RefSeq Size:** 1926 bp

**RefSeq ORF:** 1527 bp

**Locus ID:** 404785

**UniProt ID:** [Q6S5H5](#)

**Cytogenetics:** 14q11.2