

## Product datasheet for **RG216900**

### **POTEB3 (NM\_207355) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                           |
|---------------------------|-------------------------------------------|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | POTEB3 (NM_207355) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                  |
| Symbol:                   | POTEB3                                    |
| Synonyms:                 | POTE-15; POTEb                            |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                    |



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**ORF Nucleotide Sequence:**

>RG216900 representing NM\_207355  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGGCTGAGTTTGTTCATGCCCGCTGCCTCTGCTGTGAAGAAGCCATTTGATCTCAGGAGCAAGA  
 TGGGCAAGTGGTGCCACCACCGCTTCCCCTGCTGCAGGGGAGCGGCAAGAGCAACATGGGCACTTCTGG  
 AGACCACGACGACTCCTTTATGAAGACGCTCAGGAGCAAGATGGGCAAGTGTGCCACCACTGCTTCCCC  
 TGCTGCAGGGGAGCGGCACGAGCAATGTGGGCACTTCTGGAGACCATGACAACCTCTTTATGAAGACAC  
 TCAGGAGCAAGATGGGCAAGTGGTGTCTGCTGCTTCCCCTGCTGCAGGGGAGCGGCAAGAGCAACGT  
 GGGCACTTGGGGAGACTACGACGACAGCGCCTTCATGGAGCCGAGGTACCACGTCCTCGAGAAGATCTG  
 GACAAGCTCCACAGAGCTGCCTGGTGGGTAAAGTCCCAGAAAGGATCTCATCGTCATGCTCAGGGACA  
 CTGACATGAACAAGAGGGACAAGCAAAAGAGGACTGCTCTACATTTGGCCTCTGCCAATGGAATTCAGA  
 AGTAGTACAACCTCTGCTGGACAGACGATGTCACTTAACGTCTTGACAACAAAAAAGGACAGCTCTG  
 ATAAAGGCCGTACAATGCCAGGAAGATGAATGTGTGTTAATGTTGCTGGAACATGGCGCTGATGGAATA  
 TTCAAGATGAGTATGGAATACCGCTCTACACTATGCTATCTACAATGAAGATAAATTAATGGCCAAAGC  
 ACTGCTCTTATATGGTGTGATATTGAATCAAAAAACAAGTGTGGCCTCACACCACTTTTCTTGGCGTA  
 CATGAACAAAAACAGCAAGTGGTGAAATTTTAAATCAAGAAAAAGCTAATTTAAATGCACTTGATAGAT  
 ATGGAAGAACTGCCCTCATACTTGTCTGTATGTTGTGGATCAGCAAGTATAGTCAATCTTCTACTTGAGCA  
 AAATGTTGATGTATCTTCTCAAGATCTATCTGGACAGACGGCCAGAGAGTATGCTGTTTCTAGTCATCAT  
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 ATCCAGAACAAGACTTAAAGCTGACATCAGAGGAAGAGTCACAAAGGCTTAAAGTCAGTAAAAATAGCCA  
 GCCAGAGAAAAATGTCTCAAGAACCAGAAAAATAAAGGACTGTGATAGAGAGGTTGAAGAAGAAATAAAG  
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 ATGGATTAATTCACAAAGGAAGAGCAGAAAACTGAAATCAGCAATTTCTGACACTGAGAATGAAGA  
 GTATCACAGTGACGAACAAAATGATACCCAGAAACAATTTCTGAAGAACAGAACTGGAATATCACAA  
 GATGAGATTCTGACTAATAAACAAAAGCAGATAGAAGTGGCTGAAAGGAAATGAATTTCTAAGCTTTCTC  
 TTAGTCATAAGAAAGAAGAAGATCTCTTGGCTGAAAAACAGCATGTTGCGGAAGAAATTGCCATGCTAAG  
 ACTGGAAGTAGATGAAACAAAACATCAGAACAGCTAAGGAAAAATAAATTTTGGAGGAAATTGAAAGT  
 GTAAAGAAAAACTTCTAAAGGCTATACAACCTGAATGAAGAAGCATTAAACGAAACCACTATT

**ACGCGT**ACGCGGCGGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG216900 representing NM\_207355  
 Red=Cloning site Green=Tags(s)

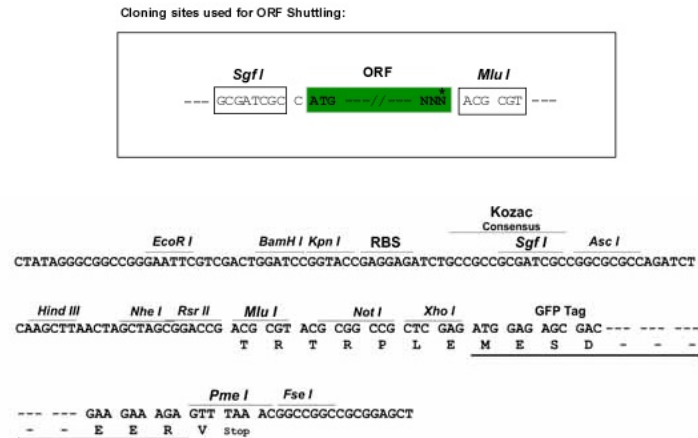
MVAEVCSPMAASAVKKPFDLRSMGKWKCHHRFPCCRGSGKSNMGTSGDHDDSFMKTLRSMGKCCCHCFP  
 CCRGSGTSNVGTSGDHDDSFMKTLRSMGKWCCHCFPCCRGSGKSNVGTWGDYDDSAFMEPRYHVRREDL  
 DKLHRAAWWGKVPKDLIVMLRDTDMNKRDKQKRTALHLASANGNSEVVQLLLDRRCQLNVLDNKKRTAL  
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 HVICELLSDYKEKQMLKISSENSNPEQDLKLTSEESQRLKVSSENSQPEKMSQPEINKDCDREVEEIEIK  
 KHGSPVGLPENLTNGASAGNGDGLIPQRKSRKPENQQFPDTENEEYHSDEQNDTQKQLSEEQNTGISQ  
 DEILTNKQKQIEVAEKEMNSKLSLHKKEEDLLRENSMLREEIAMLRLELDETKHQNLRENKILEEIES  
 VKEKLLKAIQLNEEALTKTSI

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

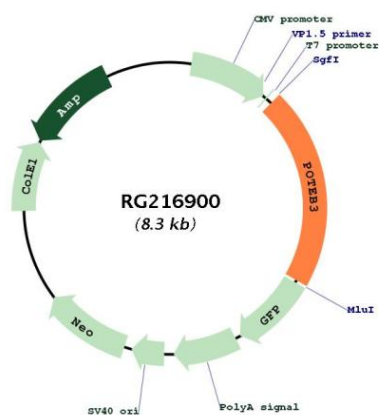
Sgfl-MluI

## Cloning Scheme:



|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ACCN:                  | NM_207355                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ORF Size:              | 1743 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. <a href="#">More info</a>                                                                      |
| 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"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| RefSeq:                | <a href="#">NM_207355.5</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RefSeq Size:           | 2132 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RefSeq ORF:            | 1746 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Locus ID:              | 102724631                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt ID:            | <a href="#">Q6S5H4</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cytogenetics:          | 15q11.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Product images:



Circular map for RG216900