

Product datasheet for **MG200545**

Pole4 (NM_025882) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pole4 (NM_025882) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Pole4
Synonyms: 2400007P05Rik; 5830430F06Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200545 representing NM_025882
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCAGCGCGGCTGCTGGGAGCGGGACGCCAGAGAGGAAGAGGCTCCCGGAGGGGAGGCAGCGG
 CTTTCGAGGCCAAGCCCGACGAGTGCACCCGGGGAGTTCGCCTCTCGAGGCTGCCTTGCGGAGAGT
 AAAGCCTTGGTGAAGGCAGACCCTGACGTAACGCTGGCGGGACAGGAAGCCATCTTTATCCTGGCGGT
 GCCCGGAACTGTTCTGGAGACTATCGAAAAGATGCCTACTGCTGTGCTCAACAAGGAAAGAGGAAAA
 CTCTCCAGAGGAGAGATTTGGATAATGCAATAGAAGCTGTGGATGAATTCGCTTTCTAGAAGGCACCTT
 GGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200545 representing NM_025882
 Red=Cloning site Green=Tags(s)

MAAAAAAGSGTPREEEAPGGEAAASQAQAPTSAPGGVRLSRLPLARVKALVKADPDVTLAQEAIIFILAR
 AAELFVETIAKDAYCCAQQGKRKTLQRRDLDNAIEAVDEFALFLEGLD

TRTRPLE - GFP Tag - V

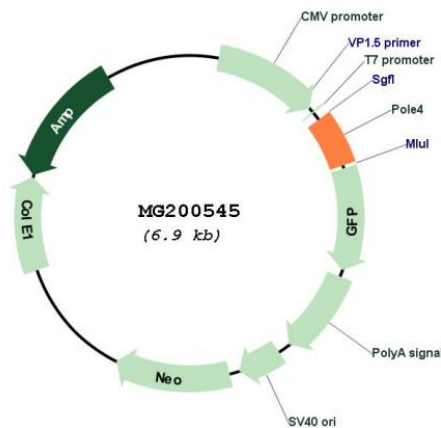
Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:

ACCN:

NM_025882

ORF Size:

354 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:	<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_025882.3
RefSeq Size:	1695 bp
RefSeq ORF:	357 bp
Locus ID:	66979
UniProt ID:	Q9CQ36
Cytogenetics:	6 C3
Gene Summary:	May play a role in allowing polymerase epsilon to carry out its replication and/or repair function.[UniProtKB/Swiss-Prot Function]