

Product datasheet for **RG214717**

Polyserase1 (TMPRSS9) (NM_182973) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Polyserase1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG214717 representing NM_182973
 Red=Cloning site Blue=ORF Green=Tags(s)

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 GCCGCGATCGCC

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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214717 representing NM_182973

Red=Cloning site Green=Tags(s)

MEPTVADVHLVPRTTKEVPALDAACCRAASIGVVATSLVVLTLGVLLAFLSTQGFHVDHTAELRGIRWTS
SLRRETSDYHRTLTPTEALLHFLLRPLQTL SLGLEEELLQRGIRARLREHGISLAAYGTIVSAELTGRH
KGPLAERDFKSGRCPGNSF SCGNSQCVTKVNPECDDQEDCSDGSDEAHCEGLQPAWRMAGRIVGMEAS
PGEFPWQASLRENKEHFCGAATINARWL VSAAHCFNEFQDPTKWVAYVGATYLSGSEASTVRAQVVQIVK
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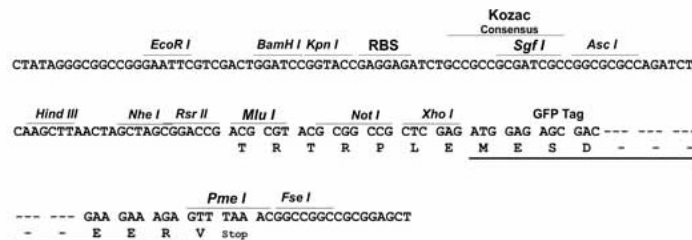
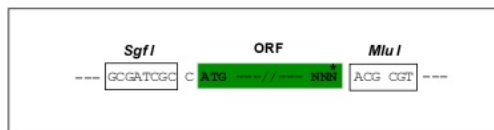
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN:

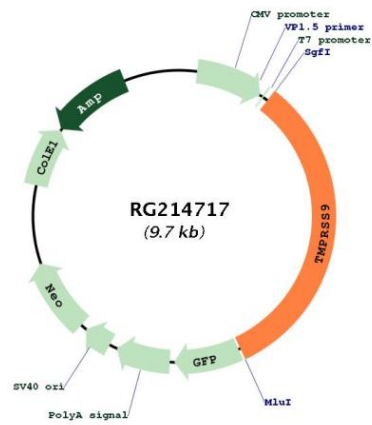
NM_182973

ORF Size:

3177 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_182973.2
RefSeq Size:	3180 bp
RefSeq ORF:	3180 bp
Locus ID:	360200
UniProt ID:	Q7Z410
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene is a membrane-bound type II serine polyprotease that is cleaved to release three different proteases. Two of the proteases are active and can be inhibited by serine protease inhibitors, and one is thought to be catalytically inactive. This gene enhances the invasive capability of pancreatic cancer cells and may be involved in cancer progression. [provided by RefSeq, Jul 2016]

Product images:



Circular map for RG214717