

Product datasheet for **RG211724**

Polyserase3 (PRSS53) (NM_001039503) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Polyserase3
Synonyms:	POL3S; UNQ308
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG211724 representing NM_001039503
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGTGGTCTGGGCCCAGTGTCTCATCGCGGTGCCACAGTCTCATGGAGGTCTTCAAGCCG
 CTCAGCGTGCCTGTGGACAGCGTGGCCCCGCCCCCCCAAGCCTCAGGAGGGCAACACAGTCCCTGGCGA
 GTGGCCCTGGCAGGCCAGTGTGAGGAGGCAAGGAGCCACATCTGCAGCGGCTCCCTGGTGGCAGACACC
 TGGGTCTCTACTGCTGCCACTGCTTTGAAAAGGCAGCAGCAACAAGTGAATTCCTGGTCAGTGGTCC
 TGGGTTCTCTGCAGCGTGAAGGACTCAGCCCTGGGGCCGAAGAGGTGGGGTGGCTGCCCTGCAGTTGCC
 CAGGGCCTATAAACCCTACAGCCAGGGCTCAGACCTGGCCCTGCTGCAGCTCGCCACCCACGACCCAC
 ACACCCCTCTGCCTGCCAGCCGCCCATCGCTTCCCTTTGGAGCCTCCTGCTGGGCACTGGCTGGG
 ATCAGGACACCACTGATGCTCCTGGGACCCTACGCAATCTGCGCCTGCGTCTCATCAGTCGCCCCACATG
 TAACTGTATCTACAACAGCTGCACCAGCAGACCTGTCCAACCCGGCCCGCCTGGGATGCTATGTGGG
 GGCCCCCAGCCTGGGGTGCAGGGCCCTGTGAGGAGATTCCGGGGGCCCTGTGCTGTGCCTCGAGCCTG
 ACGGACACTGGGTTGAGGCTGGCATCATCAGCTTTGCATCAAGCTGTGCCAGGAGGACGCTCCTGTGCT
 GCTGACCAACACAGCTGCTCAGTTTCTGGTGCAGGCTCGAGTTCAGGGGGCAGCTTTCCTGGCCAG
 AGCCCCAGAGACCCGGAGATGAGTGTGAGGACAGCTGTGTAGCCTGTGGATCCTTGAGGACAGCAGGTC
 CCCAGGCAGGAGCACCTCCCATGGCCCTGGGAGGCCAGGCTGATGCACAGGGACAGCTGGCCTGTGG
 CGGAGCCCTGGTGTGAGGAGGCGGTGCTAACTGCTGCCACTGCTTCATTGGGCGCCAGGCCCCAGAG
 GAATGGAGCGTAGGGCTGGGGACCAGACCGGAGGAGTGGGGCTGAAGCAGCTCATCCTGCATGGAGCCT
 ACACCCACCCTGAGGGGGCTACGACATGGCCCTCCTGCTGCTGGCCAGCCTGTGACACTGGGAGCCAG
 CCTGCGGCCCTCTGCCTGCCCTATCCTGACCACCACCTGCCTGATGGGGAGCGTGGCTGGGTTCTGGGA
 CGGGCCCCGCCAGGAGCAGGCATCAGCTCCCTCCAGACAGTGGCCGTGACCCCTCCTGGGGCCTAGGGCCT
 GCAGCCGGCTGCATGCAGCTCCTGGGGTGTGTCAGCCCTATTCTGCCGGGATGGTGTGTACCACTGC
 TGTGGGTGAGCTGCCAGCTGTGAGGGCTGTCTGGGGCACCAGTGGTGCATGAGGTGAGGGGCACATGG
 TTCCTGGCCGGGCTGCACAGCTTCGAGAGATGCTTGCACAGGCCGCCAGGCCGGCGGTCTTCACCGCGC
 TCCCTGCCTATGAGGACTGGGTGAGCAGTTTGGACTGGCAGGTCTACTTCGCCGAGGAACCAAGAGCCGA
 GGCTGAGCCTGGAAGCTGCCTGGCCACATAAGCCAACCAACCACTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG211724 representing NM_001039503
 Red=Cloning site Green=Tags(s)

MKWCWGPVLLIAGATVLMGLQAAQRACGQRGPPKQPEGNTVPGEWPWQASVRRQGAHICSGSLVADT
 WVLTAAHCFEKAATELNSWSVVLGSLQREGLSPGAEEVGVAALQLPRAYNHYSQGSDDLALLQLAHPPTH
 TPLCLPQPAHRFPFGASCWATGWDQDSDAPGTLRNLRLRLISRPTCNCIYNQLHQRHLSNPARGMLCG
 GPQPGVQGPCQGDSSGPVLCLEPDGHVWQAGIISFASSCAQEDAPVLLTNTAAHSSWLQARVQGAFLAQ
 SPETPEMSDEDSVACGSLRTAGPQAGAPSPWPWEARLMHQQLACGGALVSEAVLTAAHCFIGRQAPE
 EWSVGLGTRPEEWGLKQLILHGAYTHPEGGYDMALLLAQPVTLGASLRPLCLPYPDHHLPDGERGWVLG
 RARPGAGISSLQTPVPTLLGPRACSRLLHAAPGGDGSPILPGMVCTSAVGELPSCEGLSGAPLVHEVRGTW
 FLAGLHSFGDACQGPAPAVFTALPAYEDWVSSLDWQVYFAEEPEPEAEPGSCLANISQPTSC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001039503

ORF Size: 1659 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.

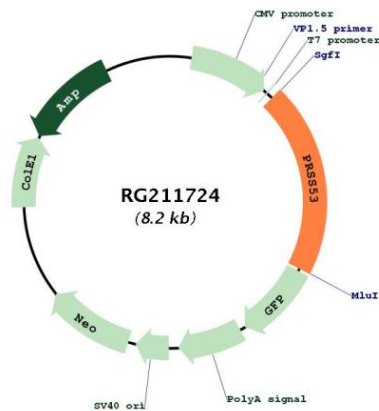
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001039503.2](#)

RefSeq Size: 1662 bp

RefSeq ORF:	1662 bp
Locus ID:	339105
UniProt ID:	Q2L4Q9
Cytogenetics:	16p11.2
Gene Summary:	In vitro can degrade the fibrinogen alpha chain of as well as pro-urokinase-type plasminogen activator.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211724