

Product datasheet for **RC211724**

Polyserase3 (PRSS53) (NM_001039503) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Polyserase3 (PRSS53) (NM_001039503) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Polyserase3
Synonyms:	POL3S; UNQ308
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC211724 representing NM_001039503
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGTGGTGTGGGGCCAGTGTCTCATCGCGGTGCCACAGTCTCATGGAGGTCTTCAAGCCG
 CTCAGCGTGCCTGTGGACAGCGTGGCCCGGCCCCCAAGCCTCAGGAGGGCAACACAGTCCCTGGCGA
 GTGGCCCTGGCAGGCCAGTGTGAGGAGGCAAGGAGCCACATCTGCAGCGGCTCCCTGGTGGCAGACACC
 TGGGTCTCACTGCTGCCACTGCTTTGAAAAGGCAGCAGCAACAGAAGTGAATTCCTGGTCAGTGGTCC
 TGGTTCTCTGCAGCGTGAAGGACTCAGCCCTGGGGCCGAAGAGGTGGGGTGGCTGCCCTGCAGTTGCC
 CAGGGCTATAACCACTACAGCCAGGGCTCAGACCTGGCCCTGCTGCAGCTCGCCACCCACGACCCAC
 ACACCCCTCTGCCTGCCAGCCGCCATCGCTTCCCCTTTGGAGCCTCCTGCTGGGCCACTGGCTGGG
 ATCAGGACACCAGTGTCTCTGGGACCCTACGCAATCTGCGCCTGCGTCTCATCAGTCGCCCCACATG
 TAACTGTATCTACAACCACTGACAGGACACCTGTCCAACCCGGCCCGCCCTGGGATGCTATGTGGG
 GGCCCCAGCCTGGGGTGCAGGGCCCTGTGAGGAGATTCCGGGGCCCTGTGCTGTGCCTCGAGCCTG
 ACGGACACTGGGTTAGGCTGGCATCATCAGCTTTGCATCAAGCTGTGCCAGGAGGACGCTCCTGTGCT
 GCTGACCAACACAGCTGCTCACAGTTCTGGTGCAGGCTCGAGTTCAGGGGGCAGCTTTCTGGCCAG
 AGCCCAGAGACCCCGAGATGAGTGTGAGGACAGCTGTGTAGCCTGTGGATCCTTGAGGACAGCAGGTC
 CCCAGGACAGGACCCCTCCCATGGCCCTGGGAGGCCAGGCTGATGCACCAGGGACAGCTGGCCTGTGG
 CGGAGCCCTGGTGTGAGGAGGGCGGTGCTAAGTGTGCCACTGCTTATTGGGCGCCAGGCCCCAGAG
 GAATGGAGCGTAGGGCTGGGACCAGACCGGAGGAGTGGGGCTGAAGCAGCTCATCTGCATGGAGCCT
 ACACCCACCTGAGGGGGCTACGACATGGCCCTCCTGCTGCTGGCCAGCCTGTGACACTGGGAGCCAG
 CCTGCGGCCCTCTGCCTGCCCTATCCTGACCACCACTGCCTGATGGGGAGCGTGGCTGGGTTCTGGGA
 CGGGCCCGCCAGGAGCAGGCATCAGCTCCCTCCAGACAGTGCCTGACCCCTCTGGGGCTAGGGCT
 GCAGCCGGCTGCATGCAGCTCCTGGGGTGTGGCAGCCCTATTCTGCCGGGATGGTGTGTACCAGTGC
 TGTGGGTGAGTGCAGCTGTGAGGGCTGTCTGGGACCACTGGTGCATGAGGTGAGGGGCACATGG
 TTCCTGGCCGGGCTGCACAGCTTCGAGATGCTTGCCAAGGCCCGCCAGGCCGGCGGTCTTCACCGCGC
 TCCCTGCCTATGAGGACTGGTGCAGCTTTGGACTGGCAGGTCTACTTCGCCGAGGAACAGAGCCCGA
 GGCTGAGCCTGGAAGCTGCTGGCCAACATAAGCCAACCAACAGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211724 representing NM_001039503
 Red=Cloning site Green=Tags(s)

MKWCWGPVLLIAGATVLM EGLQAAQRACGQRGPPKPEGNTVPGIEWPQASVRRQGAHICSGSLVADT
 WVLTAAHCFEKAATELNSWSVVLGSLQREGLSPGAEVGVAAALQLPRAYNHYSQSDLALLQLAHPPTH
 TPLCLPQPAHRFPFGASCWATGWDQDSDAPGTLRNLRLRLISRPTCNCIYNQLHQRHLSNPARGMLCG
 GPQPGVQGPCQGDSSGPVLCLEPDGHWVQAGIISFASSCAQEDAPVLLTNTAAHSSWLQARVQGAFLAQ
 SPETPEMSDESDSCVACGLRTAGPQAGAPSPWPWEARLMHQQLACGGALVSEEAVLTAHCFIGRQAPE
 EWSVGLTRPEEWGLKQLILHGAYTHPEGGYDMLLLLAQPVTLGASLRPLCLPYDPHLLPDGERGWVLG
 RARPGAGISSLQTPVTLGPRACSRLLHAAPGGDGSPILPGMVCTSAVGELPSCEGLSGAPLVHEVRGTW
 FLAGLHSFGDACQGPAPAVFTALPAYEDWVSSLDWQVYFAEEPEPEAEPGSCLANISQPTSC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8025_c01.zip

Restriction Sites:

Sgfl-Mlul

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.

RefSeq: [NM_001039503.2](#)

RefSeq Size: 1662 bp

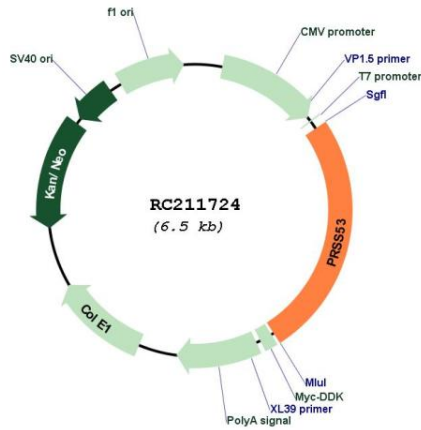
RefSeq ORF: 1662 bp

Locus ID: 339105

UniProt ID: [Q2L4Q9](#)

Cytogenetics: 16p11.2
MW: 58.2 kDa
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 RC211724