

Product datasheet for **RG224977**

USP29 (NM_020903) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP29 (NM_020903) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP29
Synonyms:	HOM-TES-84/86
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG224977 representing NM_020903
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATATCTCTAAAGGTATGTGGATTTCATCCAATTTGGAGCCAGAAGACTGGGATGACTAAGCTGAAAG
 AAGCTCTCATTGAAACAGTGCAAAGACAAAAGGAAATTAACCTGGTGGTCACTTTCAAATCTGAAAAT
 TATAAGAATTTTTAGCTGAGCAACAACATTAGAAGTGTGGTCTTAGACATTGTAAAAAAGACAAAGT
 CACCTGCGTTAACTTTGAAAAACAACGTGTTCTTGTATTGACAAATTATCCTACAGAGATGCTAAAC
 AGTTGAATATGTTCTGGACATAATCCACCAAAACAAATCTCAGCAACCCATGAAATCTGATGATGATTG
 GAGTGTGTTTGAAGCAGGAATATGCTGAAGGAAATTGACAAAACCTTCATTTACAGCATTGTAAACAAG
 CCAAGTTATCAGAAGATGCCTTTGTTTATGTCAAATCACCAACACATGTAAAAAGGGGATATTAGAAA
 ATCAAGGTGGGAAGGGGCAAAACACACTATCATCTGATGTACAGACAAATGAGGACATTCTGAAGGAAGA
 TAACCCTGTACCAACAAGAAATAAAGACAGATTCCTTCAAATATATACAAAGCAATAGGAAGAACCCA
 TCAAGTTTAGAGGATTTAGAAAAAGATAGAGATTTGAAACTCGGGCCTTCATTCAATACCAACTGTAAATG
 GAAATCCTAACCTAGATGAGACTGTTCTTGAACCCAGACTCTCAATGCCAAAAATGGTTTGACATCTCC
 ATTGGAACCAGAGCACAGCCAGGGTGACCAAGATGCAACAAAGCCAGGTGCCTCTTGACTCTCATTCA
 CAGCAACTGCAGCAGGGGTTCCCAATTTGGGAAACACCTGTTACATGAATGCAGTTTTACAATCGCTAT
 TTGCAATTCATCTTTGCTGATGACTTACTCAAGGTGTCCCATGGGAATATATCCCTTTGAGGC
 TCTTATTATGACCTTGACCCAGCTGCTTGTCTTGAAGATTTCTGTAGTACAAAGATCAAGAGAGAATTA
 CTTGGGAATGTTAAAAAGTCATTTGAGCAGTTGACAGAAATTTTCTGGCAACATGCAGAAATGATGCTC
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 TGGGAAAGAATGTGGGGATGAAAATTCATCTCCACAAATGCATGTTGGTAGTGCTGCCACCAAGTGTTT
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 CTGTTCTCAAGGTAGAACCTAATAATTATCTCTCCATCAACCTGCACCAAGAAACAAAACCACTTCTTT
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 GAAGTCTGGAAGTCTCTCAGGAGATGATTTCTGAGATCAACAGCCATTGACACCATCAATGAAGCTGA
 CCTCAGAATCCAGTGATTCCTGTTCTACCCGTTGAACCAGACAAGAATGCCGACCTACAAAGATTCCA
 GAGAGACTGTGGAGATGCAAGCCAAGAGCAGCATCAGAGAGACCTGGAAAATGGCTCTGCACTAGAGTCA
 GAATTGGTCCACTTTAGAGATAGGGCAATCGGTGAAAAGGAGCTTCCAGTGGCTGACTCACTGATGGACC
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 TACATCAGCGATGTGTATGACTTTCAGAAGCAGGCCTGTTTACATACAACGATCTATGTGTATCAGAAA
 TCTCAGAGACCAAAATGCAGGAGGCGAGGCTTCACTCTGGGTATATCTTCTTTTACATGCACAATGGGAT
 TTTTGAGGAGCTGTTAAGAAAAGCAGAGAACTCTCGGCTACCTAGCACACAGGCAGGGGTGATCCCTCAG
 GGGGAATACGAAGGTGACTCTTTGTACAGACTGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224977 representing NM_020903
 Red=Cloning site Green=Tags(s)

MISLKVCGFIQIWSQKTGMTKLKEAL IETVQRQKEIKLVVTFKSGKFI RIFQLSNNIRSVVLRHCKKRQS
 HLRLTLKNNVFLFIDKLSYRDAKQLNMFLDIIHQNKSSQPMKSDDDWSVFESRNLKEIDKTSFYISCNK
 PSYQKMP LFMSKSP THVKKGILENQGGKQNTLSSDVQT NEDILKEDNPVPNKKYKTD SLKYIQSNRKNP
 SSLEDELEKDRDLKLGPSFNTNCNGNPNDLDET VLATQTLNAKNGL TSPLEPEHSQGDPRCNKAQVPLDSHS
 QQLQQGF PNLGNTCYMNAVLQSLFAIPSFADLLTQGV PWEYIPFEALIMTLTQLLALKDFCSTKIKREL
 LGNVKKVISA VAEIFSGNMQND AHEFLGQCLDQLKEDMEKLNATLNTGKECGDENSSPQMHVGSAA TKVF
 VCPVVANFE FELQLSLICKACGHAVLKV EPNNYLSINLHQETKPLPLSIQNSLDLFFKEEELEYNCQMCK
 QKSCVARHTFSRLSRVLI IHLKRYSFNNAWLLVKNNEQVYIPKSLSLSSYCNES TKPPLPLSSSAPV GKC
 EVLEVSQEMISEINSPLTPSMKLTSESSDSLVPVEPDKNADLQRFQRDCGDASQE QHQRDLENGSALES
 ELVHFRDRAIGE KELPVADSLMDQGDISLPVMYEDGGKLISSPDTRLVEVHLQEVPHPELQKYEK TNTF
 VEFNFDSVTESTNGFYDCKENRIPEGSQMAEQLQQCIEESIIDEFLQQAPPPGVRKLD AQEHTETL NQ
 STELR LQKADLNHLGALGSDNPGNKNILDAENTRGEAKELTRNVKMGDPLQAYRLISV VSHIGSSPNSGH
 YISDVYDFQKQAWFTYNDLCVSEISETKMQEARLHSGYIFFYMHNGIF EELLRKAENSRLPSTQAGVIPQ
 GEYEGDSL YRPA

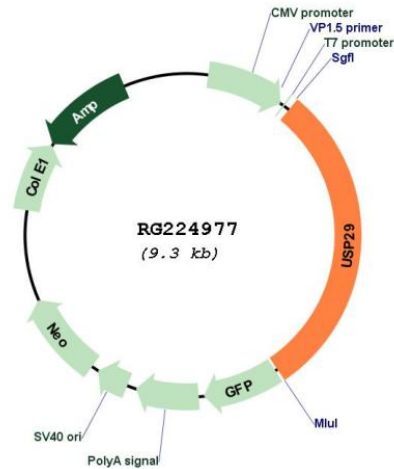
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_020903

ORF Size: 2766 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_020903.2](#), [NP_065954.1](#)
RefSeq Size: 3607 bp
RefSeq ORF: 2769 bp
Locus ID: 57663
UniProt ID: [Q9HBJ7](#)
Cytogenetics: 19q13.43
Protein Families: Protease