

## Product datasheet for **RC224977**

### USP29 (NM\_020903) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	USP29 (NM_020903) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	USP29
Synonyms:	HOM-TES-84/86
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC224977 representing NM\_020903  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATATCTCTAAAGGTATGTGGATTTCATCCAATTTGGAGCCAGAAGACTGGGATGACTAAGCTGAAAG  
 AAGCTCTCATTGAAACAGTGCAAAAGACAAAAGGAAATTAACCTGGTGGTCACTTTCAAATCTGAAAAT  
 TATAAGAATTTTTAGCTGAGCAACAACATTAGAAGTGTGGTCTTAGACATTGTAAAAAAGACAAAGT  
 CACCTGCGTTAACTTTGAAAAACAACGTGTTCTTGTATTGACAAATTATCCTACAGAGATGCTAAAC  
 AGTTGAATATGTTCTGGACATAATCCACCAAAACAAATCTCAGCAACCCATGAAATCTGATGATGATTG  
 GAGTGTGTTTGAAGCAGGAATATGCTGAAGGAAATTGACAAAACCTTCAATTTACAGCATTGTAAACAAG  
 CCAAGTTATCAGAAGATGCCTTTGTTTATGTCAAATCACCAACACATGTAAAAAGGGGATATTAGAAA  
 ATCAAGGTGGGAAGGGGCAAAACACACTATCATCTGATGTACAGACAAATGAGGACATTCTGAAGGAAGA  
 TAACCCTGTACCAACAAGAAATAAAGACAGATTCCTTCAAATATATACAAAGCAATAGGAAGAACCCA  
 TCAAGTTTAGAGGATTTAGAAAAAGATAGAGATTTGAAACTCGGGCCTTCATTCAATACCAACTGTAAATG  
 GAAATCCTAACCTAGATGAGACTGTTCTTGAACCCAGACTCTCAATGCCAAAAATGGTTTGACATCTCC  
 ATTGGAACCAGAGCACAGCCAGGGTGACCAAGATGCAACAAAGCCCAGGTGCCTCTTGACTCTCATTCA  
 CAGCAACTGCAGCAGGGTTCCCAATTTGGGAAACACCTGTTACATGAATGCAGTTTTACAATCGCTAT  
 TTGCAATTCATCTTTGCTGATGACTTACTCAAGGTGTCCCATGGGAATATATCCCTTTGAGGC  
 TCTTATTATGACCTTGACCCAGCTGCTTGTCTTGAAGATTTCTGTAGTACAAAGATCAAGAGAGAATTA  
 CTTGGGAATGTTAAAAAGTCATTTAGCAGTTGACAGAAATTTTCTGGCAACATGCAGAAATGATGCTC  
 ATGAGTTTTAGTGCAGTGTTTAGACCAGCTGAAAGAAGACATGGAAAAATTAATGCCATTTGAATACT  
 TGGGAAAGAATGTGGGGATGAAAAATTCATCTCCACAAATGCATGTTGGTAGTGCTGCCACCAAGTGTTT  
 GTTTGCCCTGTTGTTGCTAATTTGAGTTGAATTGCAGCTCTCCCTATTTGTAAGCTTGTGGTCATG  
 CTGTTCTCAAGGTAGAACCTAATAATTATCTCTCCATCAACCTGCACCAAGAAACAAAACACTTCCCTT  
 GTCCATTCAGAATCTTTAGATCTTTCTTTAAAGAAGAAGAGCTTGAATATAACTGTCAGATGTGTAAG  
 CAGAAGAGTTGTGTTGAAGGCATACATTTAGTAGGCTCTCCAGGGTCTTATCATTATCTGAAACGCT  
 ATAGCTTCAACAATGCTTGGTTGCTGGTGAAGAATAACGAGCAAGTTTATATCCCAATCTTTAAGTTT  
 ATCTTCTTATTGCAATGAAAGCACCAAAACACCTCTCCCTTGAGCAGTAGTGCACCTGTTGGGAAATGT  
 GAAGTCTTGAAGTCTCTCAGGAGATGATTTCTGAGATCAACAGCCATTGACACCATCAATGAAGCTGA  
 CCTCAGAATCCAGTGATTCCTGTTCTACCCGTTGAACCAAGACAAGAATGCCGACTACAAGATTCCA  
 GAGAGACTGTGGAGATGCAAGCCAAGAGCAGCATCAGAGAGACCTGGAAAATGGCTCTGCACTAGAGTCA  
 GAATTTGGTCCACTTTAGAGATAGGGCAATCGGTGAAAAGGAGCTTCCAGTGGCTGACTCACTGATGGACC  
 AGGGAGACATTTCTTCTTCTGTGATGTATGAAGATGGAGGGAAGCTGATCAGCAGCCAGACACAAGGCT  
 TGTGAGGTTTCAATTTGACAGTGTCACTGAGTCCACCAATGGCTTTTATGACTGTAAGAAAAACAGGATTC  
 CAGAAGGATCTCAAGGAATGGCTGAACAGCTCCAGCAGTGTATTGAGGAGAGCATCATAGATGAATTTCT  
 TCAGCAGGCACCACCTCCAGGTGTTAGGAAGCTGGATGCCAGGAACATACAGAAGAGACCCTCAATCAG  
 TCTACAGAATTAAGACTTCAAAAGGCTGACCTGAATCACCTTGGGGCACTGGGTTCTGACAACCCAGGAA  
 ACAAAAACATTTTAGATGCAGAGAACACAAAGAGGTGAAGCCAAGGAACTAACAAGAAACGTGAAGATGGG  
 GGATCCTCTCAGGCCTACAGACTCATCAGTGTGTCAGCCATATCGGGAGCTCCCCAAATTCAGGCCAT  
 TACATCAGCGATGTGATGACTTTCAGAAGCAGGCCTGTTTACATACAACGATCTATGTGTATCAGAAA  
 TCTCAGAGACCAAAATGCAGGAGGCGAGGCTTCACTCTGGGTATATCTTCTTTTACATGCACAATGGGAT  
 TTTTGAGGAGCTGTTAAGAAAAGCAGAGAACTCTCGGCTACCTAGCACACAGGCAGGGGTGATCCCTCAG  
 GGGGAATACGAAGGTGACTCTTTGTACAGACTGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGGTTTAA

**Protein Sequence:** >RC224977 representing NM\_020903  
 Red=Cloning site Green=Tags(s)

MISLKVCGFIQIWSQKTGMTKLKEALIETVQRQKEIKLVVTFKSGKFI RIFQLSNNIRSVVLRHCKKRQS  
 HLRLTLKNNVFLFIDKLSYRDAKQLNMFLDIIHQNKSQPMSDDDWSVFESRNMLKEIDKTSFYISCNK  
 PSYQKMP LFMSKSPTHVKKGILENQGGKQNTLSSDVQTNEDILKEDNPVPNKKYKTD SLKYIQSNRKNP  
 SSLEDELEKDRDLKLGPSFNTNCNGNPNDLDET VLATQTLNAKNGL TSPLEPEHSQGDPRCNKAQVPLD SHS  
 QQLQQGF PNLGNTCYMNAVLQSLFAIPSFADDLLTQGV PWEYIPFEALIMTLTQLLALKDFCSTKIKREL  
 LGNVKKVISA VAEIFSGNMQND AHEFLGQCLDQLKEDMEKLNATLNTGKECGDENSSPQMHVGSAA TKVF  
 VCPV V ANFEFELQLSLICKACGHAVLKV EPNNYLSINLHQETKPLPLSIQNSLDLFFKEEELEYNCQMCK  
 QKSCVARHTFSRLSRVLI IHLKRYSFNNAWLLVKNNEQVYIPKSLSLSSYCNES TKPPLPLSSSAPV GKC  
 EVLEVSQEMI SEINSPLTPSMKL TSESSDSLVPVEPDKNADLQRFQRDCGDASQE QHQRDLENGSALES  
 ELVHFRDRAIGEKELPVADSLMDQGD ISLPVMYEDGGKLISSPDTRLVEVHLQEVPHPELQKYEK TNTF  
 VEFNFDSVTESTNGFYDCKENRIPEGSQMAEQLQQCIEESIIDEFLQQAPPPGVRKLD AQEHTETLNQ  
 STELR LQKADLNHLGALGSDNPGNKNILDAENTRGEAKELTRNVKMGDPLQAYRLISV VSHIGSSPNSGH  
 YISDVYDFQKQAWFTYNDLCVSEISETKMQEARLHSGYIFFYMHNGIFEELLRKAENSRLPSTQAGVIPQ  
 GEYEGDSL YRPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**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](mailto: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

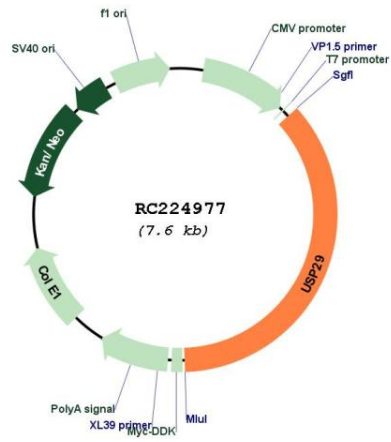
**UniProt ID:** [Q9HBJ7](#)

**Cytogenetics:** 19q13.43

**Protein Families:** Protease

**MW:** 104 kDa

Product images:



Circular map for RC224977