

Product datasheet for **RR214757**

Usp20 (NM_001107827) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp20 (NM_001107827) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp20
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR214757 representing NM_001107827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGGACGCCAGACATCTGCCCTCACCTGGACTCCATAGGGGAGGTGACCAAAGAGGACTTGCTGC
 TTAATCTAAGGGGACCTGCCAGTCTGTGGTGTGCTGGACCTAACCTATGGGCTTGCCTCCAGGTCAC
 CTGCCCTATGTTGGCTGTGGAGAGTCTTTTGGCTGACCATAGCAGCATTTCATGCACAGGTAAAAGGCAC
 AACCTGACTGTGAACCTGACTACGTTACGGGTGTGGTGTACGCCTGTGAGCGGGAAGTCTTTCTGGAGC
 AGCGCCTGGCAGTCCACCTGCCAGCTCCTCAGCCAGGCTCTCAGAGCAGGACTCCCCACCACCTGCCA
 CCCTCTGAAAGCTGTCCCTATTGCCGTGGCTGATGAGGGAGAGTCTGAGTCTGAGGACGATGACCTGAAG
 CCTCGAGGCCCTCACAGGCATGAAGAACCTGGGAACTCCTGTTACATGAATGCTGCCCTGCAGGCCCTGT
 CCAATTGCCCCCACTCACCCAGTCTTCTGAGGTGTGGTGGCCTGGTGCAGAACAGACAAGAAGCCAGC
 CTTGTGCAAAAGTTACCAGAAGTTGATCTCTGAGGTCTGGCACAAGAAACGGCCAAGCTATGTGGTCCCC
 ACCAGCCTATCCCATGGGATCAAGTTGGTCAACCCGATGTTCCGAGGCTATGCCAGCAGGACACCCAGG
 AGTTCCTACGCTGCCTGATGGACCAGCTTCACGAGGAGCTCAAGGAGCCCATGGTAGCTGCTGTGGCAGC
 TCTCACTGATGCTCGGGACTCAGATTCAGTGACACAGATGAGAGGCGTGATGGGCAGCGGAGCCCTTCA
 GAGGACGAGTTTCTGTCTGTGACTCGAGCAGTGACAGGGGTGAGGGTGATGGGCAGGGCCGTGGTGGAG
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 GCCCTGCCAGACCCAGAGCCAGACAATGAAGTCCACATTCGACGCTCCTCTCGCCCTGCAGCCCTGT
 CCACCACAGAGGGCCATACCAAGCTGTCCAGCAGCCCTCCTCGTGCAAGCCCGTGAGGATGGGGCCA
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 TCTGCCATCTACCAGAATGTACCAGCAAGCCGGGTGCCGTGGGGACAGCTATTCTCCAGGGCTGGC
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 TGTCACTGGAAGACTGCCTGGCTGCTTTCTTGTGCTGATGAGCTGAAGGTGACAATATGTACAGC
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 CCTGGAGGGACTTGACCTACGCCCTTTCTAGCCAAGGAGTGCACATCCCAGGTCACCACCTATGACCTC
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 TTGCAGAGCCAGGGCCATCACCAACCACACTCCTGTGCCCATGGAGGTATCCCACCAATAAATA
 CCATTACATTGATGACCTGGTGGTCACTTCTGCCGAGAGCGTCTGGGAGCACCTGTACAGCAGGTTGGG
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 GCAGGAGGGTGGAGATTGACACTTTCATCAAGCTGAACAAGCATTCCAAGCCGAGGAGTCTCCCGGGT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214757 representing NM_001107827
 Red=Cloning site Green=Tags(s)

MGDARDICPHLDSIGEVTKEDLLLKSKGTCQSCGVAGPNLWACLQVTCPPYVGCGESFADHSSIIHAQVKRH
 NLTVNLTTLRVWCYACEREVFLQRLAVHLPSSSARLSEQDSPPPCHPLKAVPIA VADEGESESEDDDLK
 PRGLTGKMKNLGNSCYMNAALQALSNCPPLTQFFLECGLVRTDKKPALCKSYQKLI SEVWHKKRPSYVVP
 TSLSHGIKLVNPMFRGYAQDQTQEFLRCLMDQLHEELKEPMAVAAL TDARDSSDSDTDERRDGDSPS
 EDEF LSCDSSSDRGE GQGGRGGSSKAEMELLI SDEAGRAISEKERMKDRKFSWGQQR TNSEQVDE DAD
 VDTAMASLDEQ SREAQPSPRPTSPCQTP EPDNEVHIRSSSRPCSPVHHHEGHTKLS SSPPRASPVRMGP
 SYVLKKAQVPSTGRRRKEQSYRSVISDVFNGLVSLVQCLTCDRVSTTVETFDQLSLPIPKEDLAKLH
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 LSVICHHTAGSGHYIAYCQNVINGQWYEFDDQYVTEVHETVVQNV EAYVLFYRKSS EAMRERQQVVS L
 AAMQEPSLLRFYVSREWLNKFN TFAEPGPITNHTFLCPHGGIPP NKYHYIDDLVILPQSVWEHLYSRFG
 GGP AVNHLYVCSICQVE IEALAKRRRVEIDTFIKLNKAFQAEESPGVIYCI SMHWFREWEAFVKGKDSEP
 PGPIDNSRIAQVKGSGHIQLKQGADYGQISEETWTYLNLSLYGGGPEIAIRQ SVAQLPDPE SLHGEQKIEA
 ETRAL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

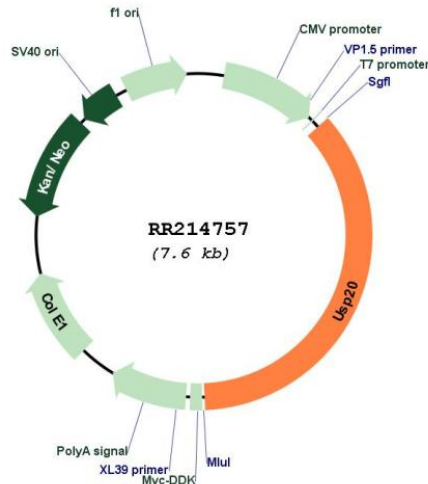
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107827

ORF Size: 2745 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_001107827.3](#), [NP_001101297.1](#)

RefSeq Size: 5052 bp

RefSeq ORF: 2748 bp

Locus ID: 311856

Cytogenetics: 3p12

MW: 102.1 kDa