

Product datasheet for **RR212087**

Usp15 (NM_145184) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp15 (NM_145184) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp15
Synonyms:	Ubp109
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR212087 representing NM_145184
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAAGCGGAGCGCGGACCTGGACACCCAGCGTTCTGACATCGGACGCTGCTCAAACCTCGC
 TCCGGAAAGGGGACACCTGGTATCTAGTAGATAGTCGGTGGTTCAAACAGTGGAATAAATATGTTGGCTT
 TGACAGTTGGGACAAATACCAGATGGGAGATCAAATGTCTATCCTGGACCCATCGATAACTCTGGACTT
 CTCAAAGATGGCGATGCTCAGTCACTTAAGGAACACCTTATCGACGAGTTGGATTACATACTGTTGCCGA
 CTGAGGGCTGGAATAAATTGTCAGCTGGTACACACTGATGGAAGGCCAAGAGCCAATAGCAAGAAAGGT
 GGTAGAACAGGGCATGTTGTAAAGCACTGCAAAGTGAAGTCTACCTCACAGAAGTGAAGCTCTGCGAG
 AATGGGAACATGAACAATGTTGTAAGTCTCGGAGATTTAGCAAAGCTGACACAATAGACACAATTGAAAAGG
 AAATAAGAAAGATCTTCAATATCCAGATGAAAAGGAGGCCAGACTGTGGAACAAGTATATGAGTAACAC
 ATTTGAGCCACTGAATAAGCCAGACAGCACCATCCAGGATGCCGGCTATACCAAGGACAGGTGTTAGTG
 ATAGAACAAAAAATGAAGACGGAACGTGGCCAGGGTCCCTCTGCTCCTAATGTGAAAAACTCCAATT
 ATGTCTCCCGTCATATACTGCTTACAAGAACTATGATTATTCGGAACCTGGAAGAAACAATGAACAGCC
 AGGCTGTGTGGCCTAAGTAACTTGGGAAACACATGTTTCATGAACTCAGCCATTCAGTGTTTGAGCAAC
 ACACCTCCACTTACTGAATATTTCTCAATGATAAGTACCAAGAAGAGCTGAATTTTGACAATCCCTTAG
 GAATGAGAGGTGAAATAGCTAAATCATATGCTGAACTCATCAAGCAGATGTGGTCTGGAAAGTTAGCTA
 TGCTACTCCAAGAGCATTAAAGACACAAGTAGGACGTTTTGCACCTCAGTTCTCTGGATATCAACAGCAA
 GACTGCCAAGAAGTACTAGCTTTCTATTAGTAGGATTACATGAGGATTTGAATAGAATTAGGAAAAACA
 CATATATCCAGTTAAAAGATGCTGATGGGAGGCCAGACAAGGTGGTTGCTGAAGAAGCTGGGAAAAACA
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 TATTCCTGTTGCTAAGAGAAAAGTTCAGACACTCAAGTTACACTCACCACTGGCTCTTCACTGTTT
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 GAATGTGCCGGTATGTCAAGATGTCTACTGAAACTGAGGAAACTGATGGACCCCTGCGTTGCTGTGAGGA
 CCAGAATATTAATGGGAATGGTCCAATGGCATACATGAAGAAGGCTCACCAAGTGAAGTGGAGACAGAT
 GAACCAGATGATGAGTCCAGCCAGGATCAAGAGCTTCCCTCAGAAAAATGAGAACAGTCACTGTAAGATT
 CAGTCCGAGGAGATAACGATTCTGAAAAATGGATTGTGACTGAAGAAACATGCAAAGGTCGACTGACGGG
 ACACAAAAGCGATTGTTTACATTCCAGTTCAACAACCTTAGGCAACACTGATATCAACTATATCAAAGAC
 GACACCAGGCATATAAGATTTGATGATAGGCAGCTTCGGCTAGATGAAAGATCTTTTCTCGCCTGGACT
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 ATCTGTGGTCCCTGCCTCCCGTCTTGTGGTGCATCTCAAGAGATTCTCCTATAGTCGCTACATGAGAGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212087 representing NM_145184
 Red=Cloning site Green=Tags(s)

MAEGGAADLDTQRSDIATLLKTSRKGDTWYLVDSRWFQWKKYVGFDSWDKYQMGDQNVYGPIDNSGL
 LKDGDAQSLKEHLIDELDYILLPTEGWNLVSWYTLMEGQEPIARKVVEQGMFVKHCKVEVYLTELKLC
 NGNMNNVTRRFKADTIDTIEKEIRKIFNIPDEKEARLWNKYMSNTFEPLNKPDSIQDAGLYQQQVYLV
 IEQKNEDGTWPRGPSAPNVKNSNYCLPSYAYKNYDYSEPGRNNEQPGLCGLSNLGNTCFMNSAIQCLSN
 TPPLTEYFLNDKYQEELNFDNPLGMRGEIAKSYAELIKQMWSGKFSYVTPRAFKTQVGRFAPQFSGYQQQ
 DCQELLAFLLDGLHEDLNRIRKKPYIQLKDADGRPKVVAEEAWENHLKRNSIIVDIFHGLFKSTLVCP
 ECAKISVTFDPFCYLLPLPMKKERSLEVYLVRMDPLAKPMQYKVIIVPKIGNILDLCALSALSGVPADK
 MIVTDIYNHRFHRIFAMDENLSSIMERDDIYVFEININRTEDTEHVVIPVCLREKFRHSSYTHHTGSSLF
 GQPFLMAVPRNNTEDKLYNLLLRCRYVKMSTETEETDGPLRCCEDQNINGNPNGIHEEGSPSEMETD
 EPDDESSQDQELPSENENSQSEDSVGGDNDSENGLCTEETCKGRLTGHHKRLFTFQFNNGNTDINYIKD
 DTRHIRFDDRQLRLDERSFLALDWDPLKKRYFDENAAEDFEKHSVEYKPPKRPVKLKDCIELFTTKE
 KLGAEWPWYCPNCKEHQQAATKKLDLWSPVVLVHVKRFSYSRYMRDKLDTLVDFPISDLDMSEFLINPN
 AGPCRYNLIIVSNHYGGMGGGHYTAFANKDDGKWWYFDSSSVSSASEDQIVSKAAYVLFYQRQDTFSGT
 GFFPLDRETKGASAAATGVPLESDSDNDNDNDLENENCMHTN

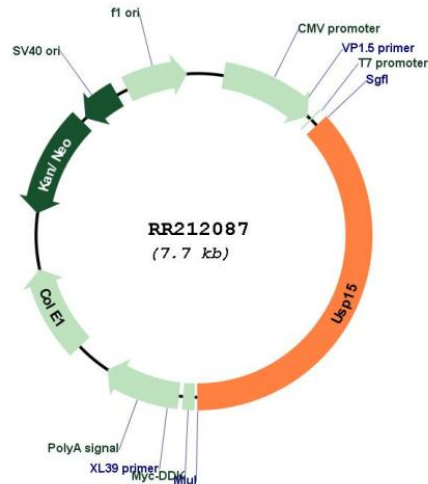
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_145184

ORF Size: 2856 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_145184.1](#), [NP_660185.1](#)

RefSeq Size: 3247 bp

RefSeq ORF: 2859 bp

Locus ID: 171329

UniProt ID: [Q9R085](#)

Cytogenetics: 7q22

MW: 109.3 kDa

Gene Summary: enzyme that has a role in generation of free ubiquitin from its precursors [RGD, Feb 2006]