

Product datasheet for MR211511

Usp38 (NM_027554) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp38 (NM_027554) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp38
Synonyms:	4631402N15Rik; 4833420O05Rik; AA536967; AU044701; AW544820; mKIAA1891
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211511 representing NM_027554 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGACAAGATTCTGGAAGGCCTGGTGAGCTCCTCGCACCCGCTGCCCTCAAGCGGATGATTGTGCGGA
AGGTGGTGGAGTTCGCGGAGCATTGGCTCGACGAGGCGCAGTGGCAGGCCATGTTTGACCTGACGACCCG
CCTCATCTGGAGGGCCAGGACCTTCCAGCGACAAGTGGGCCACCAGGTGCTGGAGGCCTACGCGCGG
TACCACCGCCGGAGTTCGAGTCTTCTCAACAAGACTTCGTGTTGGGCCTCCTTCAGCAGGGCTACC
ACTCAGTGGACAGGAAGGACGTGCCATCTGGACTACATTCACAACGGCCTGAAGCTGATTATGAGCTG
CCCGTCGGTGCTGGATCTTTCAGCCTGCTCCAGGTGGAGGTCTGCGAATGGTTTGCAGAGGCCGGAG
CCAGTGCTCTGTGCCCGGCTGAGCGACCTCCTGACCGATTTCTGTCAGTGCGTCCCAAGGGAACCTGT
CAGTTACCTTCTGTCAACAGCTGGTTCGAACGATAGGTCAATTCAGTGCCTGCTCCACTCAGGAGAAGGA
ACTACGGGAGTATGTCTCCAGGTAACGAAAGTGAGTACTTACTACAGAATATTTGGAAGGCTGAGCCC
TCCACGCTGTACCTTCTGCAAGAAGTTTTGCAAGCATCTTCCACAGATGCATCCTTGGAGCCCT
CGGTTGCCTGGCAAGCCTGGTGAGCAGTATTCCTCTGCAGATGATCACAGTCCATCAGGAGCCTAAC
CACCGACCCAAATGTAAGATGCGAGTATGACCAAGCTCTGCAGAATGATTGAGTGGCTGTCTGAGTTA
CTATTTGATAGATGTTACTTTGCTGAAAATAGAAGTGGTTTTTAACCGACTTTGGTTTCTCTCGTGAG
ACCTGGTGCTCTTGCAGTCTCTCATATGCTGCTTAGTTTTTCAGCATTCTCCTGAGGCATTCCATGTG
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TAGTACAGTTAACAGAGTTGGTTCAGTATGATGATACCATTACTCCGATTCCAGATCTCTATGAGCC
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GCCTGGACTTCTCAATCCAATGCTTTGGCATCTTGCTGTCTAGACTTTCTGGAAAATCTGAAACTGGAA
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CTTTTTGCTTTTTGGCTCATACACAAAGGGAAGCTTACGCACCTCGGATATTTTTGAGGCTTCCAGAC
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 TGAAGAAGAAAAGATCTTGCGAGTTCAGTCTCACATAAGCCTTCGGAAGGTCTGGACTGTGCTGAAACT
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 GTAGGTTTCCAAAAGACACAGCTTATGTCTTTGTACAAAAACAAAGCAGAGCTAATGGCATAGACAG
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 CTGCTTCTGTTGTTCCGACCAATGGATTTGATGACAATGACCCACCAGGAAGCTGTGGGCCAACTGG
 TGGGGCCGGTGGAGGAGGCTTCAATACAGTTGGCAGACTCGTATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211511 representing NM_027554

Red=Cloning site Green=Tags(s)

MDKILEGLVSSSHPLPLKRMIVRKVVEFAEHWLDEAQCEAMFDLTTRLILEGQDPFQRQVGHQVLEAYAR
 YHRPEFESFFNKTFVLGLLQQGYHSVDRKDVAILDYIHNLKLI MSCPSVLDLFLSLQVEVLRMVCERPE
 PVL CARLSDLL TDFVQCVPKGKLSVTFCQQLVRTIGHFQCVSTQEKEKREYVSQVTKVSTLLQNIWKAEP
 STLLPSLQEVFASISSTDASFPSVALASLVQHIPLQMITVLIRSLTDPNVKDASMTQALCRMIDWLSW
 PLAQHVDTWVIALLKGLAAVQKF TILIDVTLKIELVFNRLWFPLVRPGALAVLSHMLLSFQHSPEAFHV
 IVPHIVNLVHSFRSDGLPSSTAFVLVQL TELVHCMMYHSGFPDL YEP ILEAVKDFPKPSEEKIKLILNQS
 AWTSQSNALASCL SRLSGKSETGKTGL INLGNTCYMNSVLQALFMATEFRRQVLSLNLNGCNSLMKKLQH
 LFAFLAHTQREAYAPRIFFEASRPPWF TPRSQQDCSEYLRFLLDRLHEEEKILRVQSSHKPSGLDCAET
 CLQEVTSKVAVPTESPGTGDSEKTLIEKMFGGKLRTHICCLNCGSTSHKVEAFTDL SLAFPCSPSVEDLS
 FQDTASLPSAQDDGLMQTSVADPEEEPVVYNPATAAFVCDSDVNVQRVLGSPVVEFHCAESSVPEESAKI
 LISKDVPQNPGGESTTSVTDLLNYFLAPEVLTGENQYYCESASLQNAEKTMQITEEPEYLILTLRFSY
 DQKYHVRKILDNVSLPLVLELPVKRTASFSSLSQSWSDVDFTDINENLPKPKPSGTEAFCKPLVPY
 LLSSVVHSGVSSSESGHYYSYARNITGTESSYQMCQSESLALAPSQSCLLGVEPNTVIEQDLENKEMS
 QEWFLFNDSRVFTFSFQSVQKITSRFPKDTAYVLLYKKQSRANGIDSDNPASGVWANGDPPQLKELMDAI
 TKDNKLYLQEQLNARARALQAASASCSFRPNFGDDNDPPGSCGPTGGGGGGFNVTGRLVF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9047_h01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_027554

ORF Size: 3126 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_027554.2](#), [NP_081830.2](#)

RefSeq Size: 4711 bp

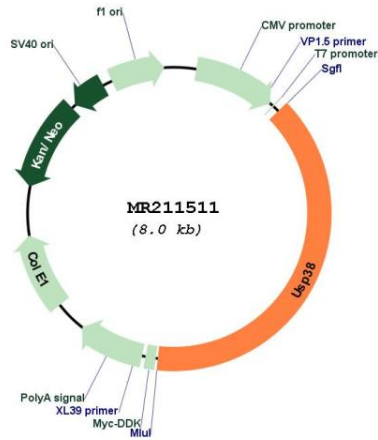
RefSeq ORF: 3129 bp

Locus ID: 74841

UniProt ID: [Q8BW70](#)

Cytogenetics: 8 38.68 cM
MW: 116.6 kDa
Gene Summary: Deubiquitinating enzyme exhibiting a preference towards 'Lys-63'-linked ubiquitin chains. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211511