

Product datasheet for MR221862

Usp42 (NM_029749) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp42 (NM_029749) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp42
Synonyms:	2410140K03Rik; 3110031A07Rik; A630018G05Rik; D5Ertd591e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221862 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCATAGTTGACAAAACCTGAACCTTCAGACCCATCAACCTGTCAGAACCCAGCCTGGCAGTTGTGAGG
CGGTCTCACCTGAAGACATGGACACAGGCTCTGCCAGCTGGGGCGCTGTGTCTTCAATAAGTGATGTCTC
AAGTCACACACTCCATTAGGGCCAGTGCCTGGTGTGTAGTTTATTCTAACTCGTCTGTACCTGAAAAA
TCAAAGCCATCACCACCAAGGATCAAGTCTAGGTGATGGCATTGCTCCTCCTAAAAGGTCTGTTC
CATCTGAAAAGATTTGTCTTAAGTGGCAACAAAGTCATCGAGTTGGCGCTGGGCTCCAGAATTTGGCAA
CACCTGTTTTGCCAATGCCGATTGCAGTGTCTGACTTACACGCCACCCCTCGCCAATTACATGTTATCC
CATGAACACTCCAAGACATGCCACGCAGAGGATTTTGTATGATGTGCACGATGCAGACACATTACCC
AGGCCTTAGCAACCCTGGGGATGTTATCAAGCCGATGTTTCGTCATCAATGAAATGCGGCGTATAGCTAG
ACACTTCCGTTTTGGAAACCAAGAAGATGCCCATGAATTTCTTCAGTACACGGTCGATGCCATGCAGAAA
GCATGTTAAATGGCAGCAATAAATTAGACAGACACCCAGGCCACCACCCTGGTCTGCCAGATATTTG
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ACATCAAGGCTAGCAATGGCCTCTGGTATCAGATGAATGACTCCATCGTGTCCACCAGTGATATCAGAGC
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AGCAGGTGGCTCCAGGGTTTATTGGACCCAGTGCCTTCCCATGTGATGAAGAACAGCCACACTTGAA
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AGGGCCAGTCCTGCTACTGCTTCGACTTCTGTGCAGAAGTGGTCTGTTACCAGACCCTCAGTTATCCAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221862 protein sequence
 Red=Cloning site Green=Tags(s)

MTIVDKTEPSDPSTCQNQPGSCEAVSPEDMDTGSASWGAVSSISDVSSHTLPLGPVPGAVVYNSSSVPEK
 SKPSPPKDQVLGDGIAPPQKVLFPSEKICLKWQQSHRVGAGLQNLGNTCFANAALQCLTYTPPLANYMLS
 HEHSKTCHAEGFCMMCTMQTHITQALSNPGDVIKPMFVINEMRRIARHFRFGNQEDAHEFLQYTVDMQK
 ACLNGSNKLDRHTQATTLVCQIFGGYLRSRVKCLNCKGVSDTFDPYLDITLEIKAAQSVTKALEQFVKPE
 QLDGENSYKCSKCKMVPASKRFTIHRSSNVLTI SLKRFANFTGGKIAKDVKYPEYLDIRPYMSQPNGEP
 IYVLYAVLVHTGFNCHAGHYFCYIKASNGLWYQMNDIVSTSDIRAVLNQQAYVLFYIRSHDVKNGGES
 AHPAHSPGQSSPRPGVSQRVNNKQVAPGFIGPQLPSHVMKNTPHLNGTTPVKDTPSSSVSPNGNTSVN
 RASPATASTSVQNSVTRPSVIPDHPKKQKITISIHNLKPARQQQAPLNNSLHGPCLEAPSKAAPSSTIT
 NPSAIQSTSNVPTTSTSPSEACPMPVNGKAKVGASLVVYGAESSEESDEESKGLAKENGVDMMAGTHS
 DRPEAAADDGAEASSHELQEPVLLNGANSADSDSQENSLAFDSASCQVPELHTENLFSKLNGLPGKVTP
 APLQSVPEDRILETFKL TNQAKGAGEESWTTTGGSSPKDPVSQLEPISDEPSLEIPEAVTNGSTQTPS
 TTSPLEPTISCTKEDSSVVVSAEPVEGLPSVPALCNSTGTILGDTVPVELCDPGDLTANPSQPTAVKGD
 TAEKAQDSAMAEVVERLSPAPSVLTGDCGEQKLLLYLSAEGSEETEDSSRSSAVSADTMPPKPDRTTSS
 CEGAAEQAAGDRGDGGHVGPKAQEPSPAKEKMSLRKVDRGHYRSRRERSSSGEHVRDSRPRPEDHHHKK
 RHCYSRERPKQDRHTNSYCNNGQHLGHGDRASPERRSL SRYSHHSRIRSGLEQDWSRYHLENEHAWV
 RERFYQDKLRWDKCRYHHDYRTPLYTARDAREWRPLHGREDRLVQSGRPYKDSYWGKGWELQSRGKER
 PHFNPREAPSLAVLERHLQEKAALSVQDSSHSLPERFHEHKS VKSRKRRYETLENNDGRLEKKVHKSL
 EKDTLEEPVKKKKKKKKKKSKDKHRDRESRHQQESDFSGAYSADLHRHRKKKKKKRHSRKSSEDFIK
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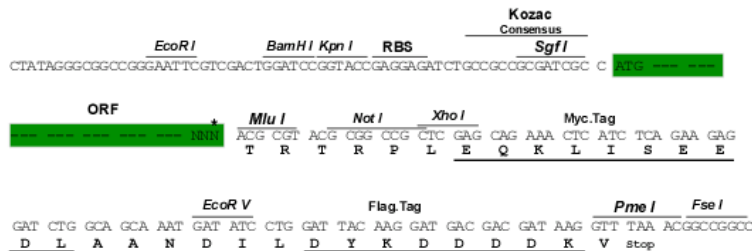
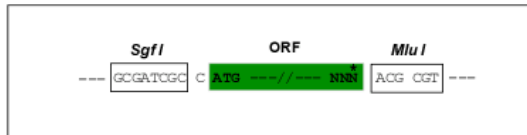
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



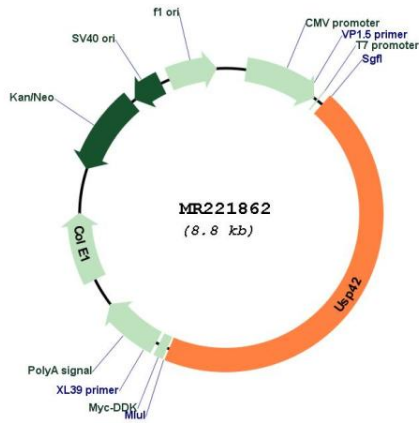
* The last codon before the Stop codon of the ORF

ACCN: NM_029749

ORF Size: 3975 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:	<ol style="list-style-type: none"> 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_029749.2 , NP_084025.2
RefSeq Size:	5151 bp
RefSeq ORF:	3975 bp
Locus ID:	76800
UniProt ID:	B2RQC2
Cytogenetics:	5 82.5 cM
MW:	146.2 kDa
Gene Summary:	Deubiquitinating enzyme which may play an important role during spermatogenesis. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221862