OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR230956

Usp44 (NM_001206851) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp44 (NM_001206851) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp44
Synonyms:	E430004F17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

ORF Nucleotide Sequence:

>MR230956 representing NM_001206851
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATAGGTGCAAGCACGTTGAGCAGTTGCAGCTTGCTCAAGGCCATTCCATCTTGGACCCTCAGAAAT
GGTACTGTATGGTCTGCAACACAACCGAGTCCATTTGGGCTTGCCTCAGCTGTTCCCACGTCGCCTGTGG
GAAGTACATCCAAGAGCACGCACTGAAGCACTTTCAAGAAAGCAGCCATCCCGTTGCCTTCGAGGTGAAC
GACATGTACGCTTTTTGTTATCTTTGTAACGATTATGTTCTAAACGATAACGCAGCCGGAGACCTGAAGT
CACTACGGAGTACACTAAGTACAATCAAAAGTAAAAAGTACCCCTGTGTGGTTCCGAGTGACTCGGTTTT
ACATCCTGTGGATGCACAGGACCGTGTTTACTCCTTACTCGACGGCACCCAATCTCTGCCCGGAAACGAG
GATCCAACGTGCGCCGCCCTCTGGCACAGGAGACGGGTGCTCATGGGGAAAGCCTTTCGAACTTGGTTCG
AACAGTCAGCAATTGGAAGGAAAGGGCAAGAGCCAACTCAGGAGAGAATGGTAGCAAAACGAGAGGCGAA
GAGAAGGCAGCAGCAGGAGTTGGAGCAGCAGATGAAAGCCGAGCTGGAAAGCACACCTCCGCGGAAGAGT
TTACGCTTACAAGGCTCCTCGGAGGAGGCGGCCACAATCGAAATCGTGCCAGTGCGGGCACCGCCCCCAC
CTCCCGCATCCCCAGCAAAGGACAAAGCCGCGCTACCTACTTCGGAAGACAGGACTTTTAAAAAAGTAAG
TGACTCCTTAATCAAACGAAGGCCCATGGTAACTCCTGGTGTAACCGGACTGAGAAACTTAGGAAATACT
TGCTATATGAATTCTGTTCTTCAAGTGTTGAGTCATTTACTCATTTTTCGACAATGTTTTTTAAAGCTTG
ACCTGAACCAGTGGCTGGCTGTGGCTGCCAGCGATAAGGCCCGATCCTATAAGCACTCAGCCGTCACGGA
GGCGGCGGCACAGCAGATGAACGAAGGGCAAGAGAAAGAGAAAGGCTTCGTATGCTCCAGACATTCGGGT
TTATCCTCAGGCCTGAGCGGAGGGGCCTCAAAAGGTCGGAACATGGAGCTTATTCAGCCAAGGGAGCCCA
GTTCCCCGTACAGTTCTCTCTGCCATGAATTGCATATCCTGTTCCAAGTCATGTGGTCTGGAGAGTGGGC
CTTGGTCTCACCGTTTGCCATGCTTCACTCCGTGTGGAGGCTGATCCCTGCTTTCCGCGGTTACGCCCAG
CAGGATGCTCAGGAATTTCTTTGTGAACTTCTGGATAAGATACAACGTGAACTAGAGACAACCGGAACCA
AGTTACCAGCCCTCATCCCCACTTCCCAAAGGAGACTTATTGAGCAAGTTCTGAATGTGGTGAATAACAT
TTTTCACGGACAATTTCTTAGTCAGGTTACATGTCTTGCTTGTGACAACAAATCAGATACCATAGAATCC
TTCTGGGACTTGTCCCTGGAGTTTCCAGAGAGATACCAGTGCAGTGGGAAAGATGCTGCCTCCCAGCCGT
GCCTGGTTACTGACATGTTGGACAAATTTACAGAAACAGAAGCTTTAGAAGGGAAAATCTACATGTGTGA
CCATTGTAACTCAAAGCGTAGAAAGTTTTCGTCAAAATCAGTTGTATTCACAGAAGCCCAGAAGCAGCTT
ATGATATGCCATCTACCTCAGGTTCTCAGACTGCACCTCAAACGGTTCAGATGGTCAGGACGTAATAACC
GAGAGAAGATTGGTGTTCATGTTGTCTTTGAGGAAACCTTAAACATGGAGCCTTATTGCTGCAGGGAGAC
CCTGAACGCTCTCAGACCAGAGTGCTTTCTCTATAATTTATCTGCTGTCGTAATTCACCATGGAAAAGGA
TTTGGCTCAGGACACTACACTGCCTACTGCTACAATTCCGAAGGAGGGTTCTGGGTCCACTGCAACGATT
CCAAGCTGAGCATGTGCACGATGGAAGAAGTACGCAAGGCCCAAGCTTATATCTTATTTTATACTCAGCG
AGTTACTGAGAATGGACATTCGAAACTCTTGCCTCCCGAGCTCCTGTCCAATAGCCAGCACCCCAGTAAG
GAGACTGATGCCTCTTCTAATGAAGTCCTTAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

Protein Sequence:

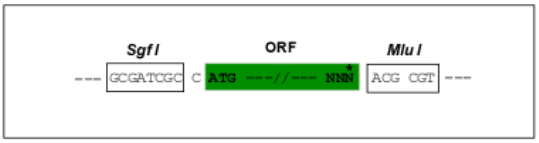
>MR230956 representing NM_001206851
Red=Cloning site Green=Tags(s)

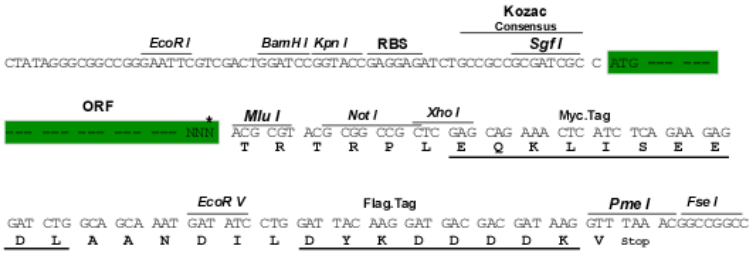
MDRCKHVEQLQLAQGHSILDPQKWYCMVCNTTESIWACLSCSHVACGKYIQEHALKHFQESSHPVAFEVN
DMYAFCYLCNDYVLNDNAAGDLKSLRSTLSTIKSKKYPCVVPSDSVLHPVDAQDRVYSLLDGTQSLPGNE
DPTCAALWHRRRVLMGKAFRTWFEQSAIGRKGQEPTQERMVAKREAKRRQQQELEQQMKAELESTPPRKS
LRLQGSSEEAATIEIVPVRAPPPPPASPAKDKAALPTSEDRTFKKVSDSLIKRRPMVTPGVTGLRNLGNT
CYMNSVLQVLSHLLIFRQCFLKLDLNQWLAVAASDKARSYKHSAVTEAAAQQMNEGQEKEKGFVCSRHSG
LSSGLSGGASKGRNMELIQPREPSSPYSSLCHELHILFQVMWSGEWALVSPFAMLHSVWRLIPAFRGYAQ
QDAQEFLCELLDKIQRELETTGTKLPALIPTSQRRLIEQVLNVVNNIFHGQFLSQVTCLACDNKSDTIES
FWDLSLEFPERYQCSGKDAASQPCLVTDMLDKFTETEALEGKIYMCDHCNSKRRKFSSKSVVFTEAQKQL
MICHLPQVLRLHLKRFRWSGRNNREKIGVHVVFEETLNMEPYCCRETLNALRPECFLYNLSAVVIHHGKG
FGSGHYTAYCYNSEGGFWVHCNDSKLSMCTMEEVRKAQAYILFYTQRVTENGHSKLLPPELLSNSQHPSK
ETDASSNEVLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:





ACCN: NM_001206851

ORF Size: 2133 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

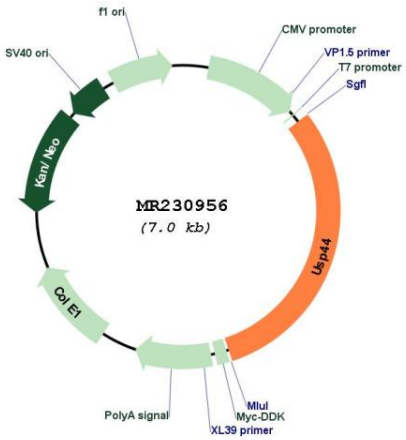
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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_001206851.3
RefSeq Size:	2533 bp
RefSeq ORF:	2136 bp
Locus ID:	327799
UniProt ID:	Q8C2S0
Cytogenetics:	10 C2
MW:	80.9 kDa
Gene Summary:	Deubiquitinase that plays a key regulatory role in the spindle assembly checkpoint or mitotic checkpoint by preventing premature anaphase onset. Acts by specifically mediating deubiquitination of CDC20, a negative regulator of the anaphase promoting complex/cyclosome (APC/C). Deubiquitination of CDC20 leads to stabilize the MAD2L1-CDC20-APC/C ternary complex (also named mitotic checkpoint complex), thereby preventing premature activation of the APC/C. Promotes association of MAD2L1 with CDC20 and reinforces the spindle assembly checkpoint. Acts as a negative regulator of histone H2B (H2BK120ub1) ubiquitination.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230956

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US