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Product datasheet for RC239383

USP44 (NM_001278393) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP44 (NM_001278393) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	USP44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC239383 representing NM_001278393
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTAGCAATGGATACGTGCAAACATGTTGGGCAGCTGCAGCTTGCTCAAGACCATTCCAGCCTCAACC
CTCAGAAATGGCACTGTGTGGACTGCAACACGACCGAGTCCATTTGGGCTTGCCTTAGCTGCTCCCATGT
TGCCTGTGGAAGATATATTGAAGAGCATGCACTCAAGCACTTTCAAGAAAGCAGTCATCCTGTTGCATTG
GAGGTGAATGAGATGTACGTTTTTTGTTACCTTTGTGATGATTATGTTCTGAATGATAACGCAACTGGAG
ACCTGAAGTTACTACGACGTACATTAAGTGCCATCAAAAGTCAAAATTATCACTGCACAACTCGTAGTGG
GAGGTTTTTACGGTCCATGGGTACAGGTGATGATTCTTATTTCTTACATGACGGTGCCCAATCTCTGCTT
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CACAAACGCCAGCATCACCAGCAAAAGATAAAGTACTCTCTACCTCAGAAAATGAAATATCTCAAAAAGT
CAGTGACTCCTCAGTTAAACGAAGGCCAATAGTAACTCCTGGTGTAACAGGATTGAGAAATTTGGGAAAT
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CAACTTCACAGTACATTTCTCTTTGTCATGAATTGCATACTTTGTTCCAAGTCATGTGGTCTGGAAAGTG
GGCGTTGGTCTCACCATTTGCTATGCTACACTCAGTGTGGAGACTCATTCCTGCCTTTCGTGGTTACGCC
CAACAAGACGCTCAGGAATTTCTTTGTGAACTTTTAGATAAAATACAACGTGAATTAGAGACAACTGGTA
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GACCCTGAAATCCCTCAGACCAGAATGCTTTATCTATGACTTGTCCGCGGTGGTGATGCACCATGGGAAA
GGATTTGGCTCAGGGCACTACACTGCCTACTGCTATAATTCTGAAGGAGGGTTCTGGGTACACTGCAATG
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ACGAGTTACTGAGAATGGACATTCTAAACTTTTGCCTCCAGAGCTCCTGTTGGGGAGCCAACATCCCAAT
GAAGACGCTGATACCTCGTCTAATGAAATCCTTAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC239383 representing NM_001278393
Red=Cloning site Green=Tags(s)

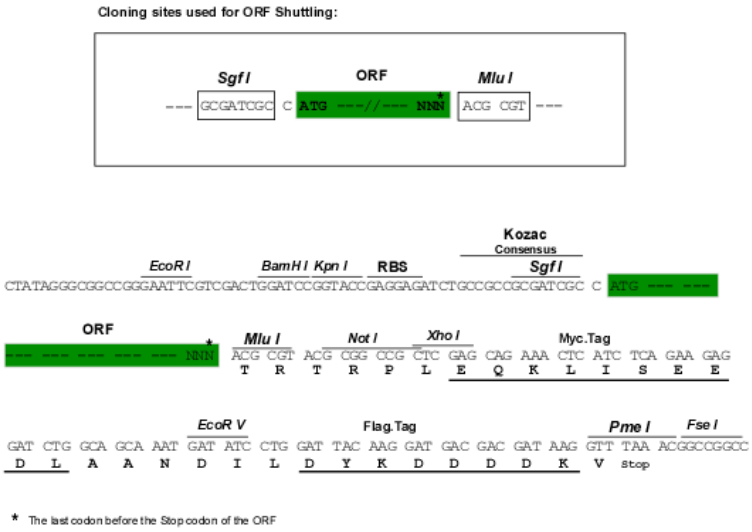
MLAMDTCKHVGQLQLAQDHSSLNPQKWHCVDCNTTESIWACLSCSHVACGRYIEEHALKHFQESSHPVAL
EVNEMYVFCYLCDDYVLNDNATGDLKLLRRTLSAIKSQNYHCTTRSGRFLRSMGTGDDSYFLHDGAQSLL
QSEDQLYTALWHRRRILMGKIFRTWFEQSPIGRKKQEEPFQEKIVVKREVKKRRQELEYQVKAELESMPP
RKSLRLQGLAQSTIIEIVSVQVPAQTPASPAKDKVLSTSENEISQKVSDSSVKRRPIVTPGVTGLRNLGN
TCYMNSVLQVLSHLLIFRQCFLKLDLNQWLAMTASEKTRSCKHPPVTDTVVYQMNECQEKDTGFVCSRQS
SLSSGLSGGASKGRKMELIQPKEPTSQYISLCHELHTLFQVMWSGKWALVSPFAMLHSVWRLIPAFRGYA
QQDAQEFLCELLDKIQRELETTGTSLPALIPTSQRKLIKQVLNVVNNIFHGQLLSQVTCLACDNKSNTIE
PFWDLSLEFPERYQCSGKDIASQPCLVTEMLAKFTETEALEGKIYVCDQCNSKRRRFSSKPVVLTEAQKQ
LMICHLPQVLRLHLKRFRWSGRNNREKIGVHVGFEEILNMEPYCCRETLKSLRPECFIYDLSAVVMHHGK
GFGSGHYTAYCYNSEGGFWVHCNDSKLSMCTMDEVCKAQAYILFYTQRVTENGHSKLLPPELLLGSQHPN
EDADTSSNEILS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6314_g02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001278393

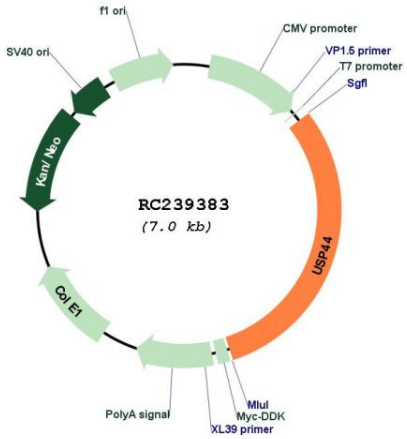
ORF Size: 2136 bp

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_001278393.1, NP_001265322.1
RefSeq Size:	4106 bp
RefSeq ORF:	2139 bp
Locus ID:	84101
UniProt ID:	Q9H0E7
Cytogenetics:	12q22
Protein Families:	Druggable Genome, Protease
MW:	81.2 kDa
Gene Summary:	The protein encoded by this gene is a protease that functions as a deubiquitinating enzyme. The encoded protein is thought to help regulate the spindle assembly checkpoint by preventing early anaphase onset. This protein specifically deubiquitinates CDC20, which stabilizes the anaphase promoting complex/cyclosome. [provided by RefSeq, Dec 2016]

Product images:



Circular map for RC239383