

Product datasheet for **RG239383**

USP44 (NM_001278393) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP44 (NM_001278393) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG239383 representing NM_001278393.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCTAGCAATGGATACGTGCAAACATGTTGGGCAGCTGCAGCTTGTCTAAGACCATTCCAGCCTCAAC
CCTCAGAAATGGCACTGTGTGGACTGCAACACGACCGAGTCCATTTGGGCTTGCCTTAGCTGCTCCCAT
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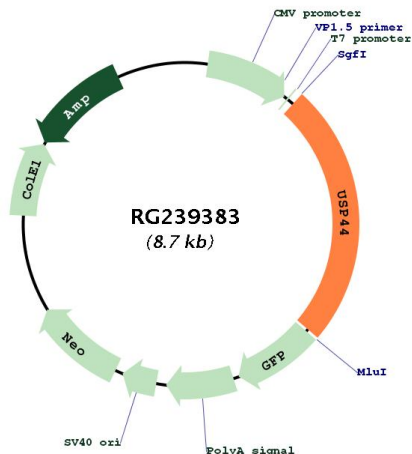
Protein Sequence: >Peptide sequence encoded by RG239383
 Blue=ORF Red=Cloning site Green=Tag(s)

MLAMDTCKHVGQLQLAQDHSSLNPQKWHVCDCNTTESIWACLSCSHVACGRYIEEHALKHFQESSHPVA
 LEVNEMYVFCYLDDYVLNDNATGDLKLLRRTL SAIKSNQNYHCTTRSGRFLRSMGTGDDSYFLHDGAQS
 LLQSEDQLYALWHRRLILMGKIFRTWFEQSPIGRKKQEPPQEKIVVKREVKKRRQLELYQVKAEL
 MPPRKSRLQGLAQSTIIIEIVSVQVPAQTPASPAKDKVLSTSENEISQKVSDDSSVKRRPIVTPGVTGLR
 NLGNTCYMNSVLQVLSHLLIFRQCFLKLDLNQWLAMTASEKTRSCKHPPVTDTVVYQMNECQEKDTGFV
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


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).

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]