

Product datasheet for **RG205560**

USP44 (NM_032147) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP44 (NM_032147) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG205560 representing NM_032147
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTAGCAATGGATACGTGCAAACATGTTGGGCAGCTGCAGCTTGCTCAAGACCATTCCAGCCTCAACC
 CTCAGAAATGGCACTGTGTGGACTGCAACACGACCGAGTCCATTTGGGCTTGCCTTAGCTGCTCCCATGT
 TGCTGTGGAAGATATATTGAAGAGCATGCACTCAAGCACTTTCAAGAAAAGCAGTCATCCTGTTGCATTG
 GAGGTGAATGAGATGTACGTTTTTTGTTACCTTTGTGATGATTATGTTCTGAATGATAACGCAACTGGAG
 ACCTGAAGTTACTACGACGTACATTAAGTGCCATCAAAGTCAAATATCACTGCACAACCTCGTAGTGG
 GAGGTTTTTACGGTCCATGGGTACAGGTGATGATTCTTATTTCTTACATGACGGTGCCCAATCTCTGCTT
 CAAAGTGAAGATCAACTGTATACTGCTCTTTGGCACAGGAGAAGGATACTAATGGGTAATCTTTTCGAA
 CATGGTTTGAACAATCACCCATTGGAAGAAAAAGCAAGAAGAACCATTTTCAGGAAAAATAGTAGTAAA
 AAGAGAAGTAAAGAAAAGACGGCAGGAATTGGAGTATCAAGTTAAAGCAGAATTGGAAAGTATGCCTCCA
 AGAAAGAGTTTACGTTTACAAGGCTCGCTCAGTCGACCATAATAGAAATAGTTTCTGTTAGGTGCCAG
 CACAAACGCCAGCATCACCGCAAAAGATAAAGTACTCTCTACCTCAGAAATGAAATATCTCAAAAAGT
 CAGTGACTCCTCAGTTAAACGAAGGCCAATAGTAACTCCTGGTGAACAGGATTGAGAAATTTGGGAAAT
 ACTTGCTATATGAATCTGTTCTTCAGGTATTGAGTCACTTACTTATTTTCGACAATGTTTTTAAAGC
 TTGATCTGAACCAATGGCTGGCTATGACTGCTAGCGAGAAGACAAGATCTTGAAGCATCCACCAGTCAC
 AGATACAGTAGTATATCAAATGAATGAATGTGAGGAAAAAGATACAGGTTTTGTTTGCTCCAGACAATCA
 AGTCTGTATCAGGACTAAGTGGTGGAGCATCAAAGGTAGAAAGATGAACTTATTTCAGCCAAAGGAGC
 CAACCTCACAGTACATTTCTCTTTGTGCTGAATTCGATACTTTGTTCCAAGTCATGTGGTCTGAAAGT
 GGCGTTGGTCTCACCATTTGCTATGCTACACTCAGTGTGGAGACTCATTCTGCCTTTTCGTGGTTACGCC
 CAACAAGACGCTCAGGAATTTCTTTGTGAACCTTTAGATAAAAATACAACGTGAATTAGAGACAACCTGGTA
 CCAGTTTACCAGCTCTTATCCCCACTTCTCAAAGGAAACTCATCAACAAGTTCTGAATGTTGTAATAA
 CATTTTTCATGGACAACCTCTTAGTCAGGTTACATGTCTTGATGTGACAACAAATCAAATACCATAGAA
 CCTTTCTGGGACTTGTCATTGGAGTTTCCAGAAAGGTATCAATGCAGTGGAAAAGATATTGCTTCCAGC
 CATGTCTGGTTACTGAAATGTTGGCCAAATTTACAGAACTGAAGCTTTAGAAGGAAAAATCTACGTATG
 TGACCAGTGAACCTCAAAGCGTAGAAGGTTTTCTCCAAACCAGTTGACTCACAGAAGCCAGAAACAA
 CTTATGATATGCCACCTACCTCAGGTTCTCAGACTGCACCTCAAACGATTGAGTGGTCCAGGACGTAA
 ACCGAGAGAAGATTGGTGTTCATGTTGGCTTTGAGGAAATCTTAAACATGGAGCCCTATTGCTGCAGGGA
 GACCCTGAAATCCCTCAGACCAGAATGCTTTATCTATGACTTGTCCGCGGTGGTGTGCACCATGGGAAA
 GGATTTGGCTCAGGGCACTACACTGCCTACTGCTATAATTCTGAAGGAGGGTTCTGGGTACTGCAATG
 ATTCAAACTAAGCATGTGCACTATGGACGAAGTATGCAAGGCTCAAGCTTATATCTTGTTTTATACCCA
 ACGAGTACTGAGAAATGGACATTCTAACTTTTGCCTCCAGAGCTCCTGTTGGGGAGCCAACATCCCAAT
 GAAGACGCTGATACCTCGTCTAATGAAATCCTTAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205560 representing NM_032147
 Red=Cloning site Green=Tags(s)

MLAMDTCKHVGQLQLAQDHSSLNPQKWHVCDCNTTESIWACLSCSHVACGRYIEEHALKHFQESSHPVAL
 EVNEMYVFCYLDDYVLNDNATGDLKLLRRTL SAIKSQNYHCTTRSGRFLRSMGTGDDSYFLHDGAQSL
 QSEDLQYLALWHRRLMKGIFRTWFEQSPIGRKKQEEPFQEKIVVKREVKKRRQLELYQVKAELSMPP
 RKSLRLQGLAQSTIIIEIVSVQVPAQTPASPAKDKVLSTSENEISQKVSDDSSVKRRPIVTPGVTGLRNLGN
 TCYMNSVLQVLSHLLIFRQCFLKLDLNQWLAMTASEKTRSCKHPPVTDTVVYQMNECQEKDTGFVCSRQS
 SLSSGLSGGASKGRKMELIQPKEPTSQYISLCHLHTLFQVMWSGKVALVSPFAMLHSHVWRLIPAFRGYA
 QQDAQEFLLCELDKIQRELETTGTSPLALIPTSQRKLIKQVLNVVNNIFHGQLLSQVTCACDNKSNTIE
 PFWDLSEFFPERYQCSGKDIASQPCLVTEMLAKFTETEALGKIYVCDQCNSKRRRFSSKPVVLTEAQKQ
 LMIChLPQVRLHLKRFRWGRNNREKIGVHVGFEEILNMEPYCCRETLKSLRPECFIYDLSAVVMHHGK
 GFGSGHYTAYCYNSEGGFWVHCNDSKLSMCTMDEVCKAQAYILFYTORVTENGHSKLLPPELLLSQHPN
 EDADTSSNEILS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:

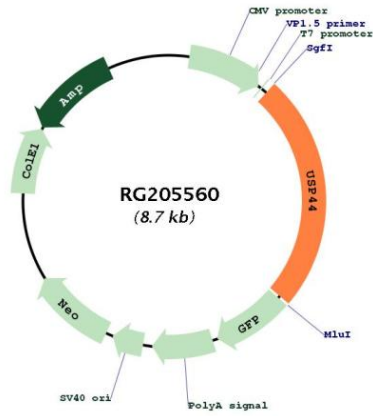


ACCN: NM_032147

ORF Size: 2136 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_032147.2 , NP_115523.2
RefSeq Size:	3476 bp
RefSeq ORF:	2139 bp
Locus ID:	84101
UniProt ID:	Q9H0E7
Cytogenetics:	12q22
Domains:	UCH, zf-UBP
Protein Families:	Druggable Genome, Protease
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 RG205560