

Product datasheet for **RG218571**

USP43 (NM_153210) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	USP43
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG218571 representing NM_153210
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCTGGGCCCGGGGACGCGGACAGGAGGGGACCGCTCGCGCCCCGGCCCCGCCGCCGCTCCC
TGCGCCGCTGTTAGCCGCTTCTGCTGGCGCTGGGACGCCGCTACGCCCCGGGGACTCACC GCCCCG
GCCCCAGCCGGGACACTGTGATGGCGACGGTGAGGGGGGCTTCGCCTGCGCCCCGGGCCAGTTCACGCG
GCCCCCGGGAGCCCCGGGGAGGAACGCCGCCCGGACCCAGCCCCAGCTCCAGCTCCCCGCCGGCGATG
GGGCGCGGCCGCCGGGCGCTCAGGGCTTGAAGAACCACGGCAACACCTGTTTCATGAACGCGGTGGTGCA
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GCCGAGGTACCGAGCAGCTGGCGGCGCTGGTGCGCGCGCTCTGGACTCGCAATACACGCCCACTTT
CCGCGGAGTTCAAGAATGCAGTTTCCAAGTACGGCTCTCAGTTCCAAGGCAATCCCAGCAGCAGCCCT
GGAAATCCTGCTCTGGTTGCTGGATCGGTACATGAGGACCTGGAGGGTTCATCCCGAGGGCCGGTGTCG
GAGAAGCTTCCGCTGAAGCCACTAAACCTCTGAGAACTGCCTGTCACCATCAGCTCAGCTTCTCTAG
GTCAAAGCTTTGTGCAAAGCCACTTTCAAGCACAATATAGATCTTCCTTGACTTGTCCTCCACTGCCTGAA
ACAGAGCAACACCTTTGATCCTTCTGTGTGTGTCCTACCTATCCCCTTGCGCCAGACGAGGTTCTTG
AGTGTCACCTTGGTCTTCCCCTCTAAGAGCCAGCGGTTCTGCGGGTTGGCCTGGCCGTGCCGATCCTCA
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GCACAGCTGTACCTTGGATGAATGTTTTCAGTTCTACACCAAGGAGGAGCAGCTGGCCAGGATGACGCC



TGGAAGTGTCTCACTGCCAAGTCTGCAGCAGGGGATGGTGAAGCTGAGTTTGTGGACGCTGCCTGACA
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GAGCTTCCAGATGGGAAGCAAAAGCAGCCACCTCCCTTATATGGGATTCTCTGGAACAGCAAGAC
AGTCGCGGAGGCACCTCTGAGCTAGACAGACCCCTGCAGGGGCACTCACCTTCTGAGGTCCGTGTTTC
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TGGCGGGCTGAGCCTGCCATGGACGGGCAAGGCTCCAGGCTCACCTCCTGCCCTCAGGATCCAGAGGGC
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GTAAAGCCAGCAGGGCCCCGAGAGGCAGTGCACCTGGGCATGTCACAAAGGACTGTTCCAGGGGAGCAGGC
TTCTTATGGCACCTTTCAGAGAGTCAAATATCACACTTTTCTTTAGTTCGAAAGAAACCTTACCGGAG
TCCAGCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG218571 representing NM_153210
Red=Cloning site Green=Tags(s)

MDLPGDAAGGGPLAPRRRRSLRRLFSRFLALGSRSRPGDSPRPQPGHCDGDGEGGFACAPGPVPA
APGSPGEERPPGPQQLPAGDGRPPGAQGLKNHGNTCFMNAVQCLSDLLAEFLALGRYRAAPGR
AEVTEQLAALVRALWTREYTPQLSAEFKNAVSKYGSQFQNSQHDALFLLWLLDRVHEDLEGSSRGVPS
EKLPEATKTSENCLSPSAQLPLGQSFVQSHFQAQYRSSLTCPHCLKQSNFDFPFLCVSLPIPLRQTRFL
SVTLVFPSPKSQRFLRVGLAVPILSTVAALRKMVAEEGVPADDEVILVELYPSGFQSRFFDEEDLNTIAEG
DNVYAFQVPPSPSQGTLSAHPGLSASPRLAAREGQRFSLSLHSESKVLILFCNLVSGGQASRFPPFL
IREDRAVSWAQLQQSILSKVRHLMKSEAPVQNLGSLFSIRVVGLSVACSYLSPKDSRPLCHWAVDRVLHL
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WKCPHCQVLQQGMVKLSLWTLDPDILIIHLKRFQVGERRNKLSLTKFPLSGLNMAPHVAQRSTSPEAGL
GPWPSWKQPDCLPTSYPDLFDLYDLVAVCNHHGNLQGGHYTAYCRNSLDGQWYSYDDSTVEPLREDEVNTR
GAYILFYQKRNSIPPWSASSMRGSTSSSLSDHWLLRLGSHAGSTRGSLLSWSSAPCPSLPQVPDSPIFT
NSLCNQEKGGLEPRRLVRGVKGRSISMKAPTTSTRAKQGPFTMPLRWSFGSKEKPPGASVELVEYLESRR
RPRSTSQSIVSLLTGAGEDEKSASPRSNVALPANSEDGGRAIERGPAGVPCPSAQPNHCLAPGNSDGP
TARKLKENAGQDIKLPRKFDLPLTVMPSEHEKPARPEGQKAMNWKESFQMGSKSSPPSPYMGFSGNSKD
SRRGTSELDRLQGTLLRSVFRKKENRRNERAEVSPQVPPVSLVSGGLSPAMDGQAPGSPPALRIPEG
LARGLSRLERDVWSAPSSLRLPRKASRAPRGSALGMSQRTVPGEQASYGTFRVKYHTLSLGRKKTLPE
SSF

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_153210

ORF Size: 3369 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.

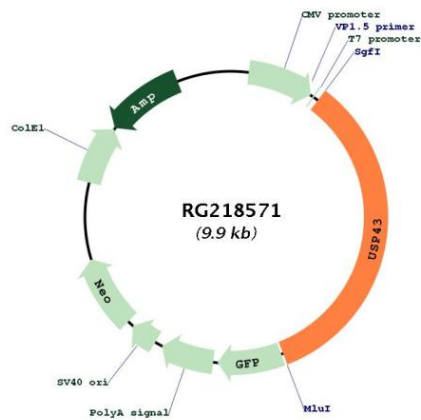
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_153210.5
RefSeq Size:	4089 bp
RefSeq ORF:	3372 bp
Locus ID:	124739
UniProt ID:	Q70EL4
Cytogenetics:	17p13.1
Protein Families:	Druggable Genome
Gene Summary:	May recognize and hydrolyze the peptide bond at the C-terminal Gly of ubiquitin. Involved in the processing of poly-ubiquitin precursors as well as that of ubiquitinated proteins (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG218571