

Product datasheet for **RG209781**

USP36 (NM_025090) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	USP36 (NM_025090) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	USP36
Synonyms:	DUB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209781 representing NM_025090 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAATAGTGGATAAGTTGAAGGAGGCCCTGAAACCCGGCCGCAAGGACTCGGCTGATGATGGAGAAC
TGGGAAGCTTCTGCCTCCTCTGCCAAGAAGTCTTTTACAGAAAATCGAGTTCGAGCCAGCCAGCAA
GAGCTTCTCTACCAGCTGGAGGCTTAAAGAGCAAATATGTGTTGCTCAACCCAAAACAGAGGGAGCT
AGTCGCCACAAGAGTGGAGATGACCCACCGGCCGGGAGACAGGGCAGTGAGCACAGTATGAGAGCTGTG
GTGACGGAGTCCCAGCCCGCAGAAAGTCTTTTCCACGGAGCGACTGTCTCTGAGGTGGAGCGGGT
CTCCGGTGGGCGCAGGACTCCACAACCTTGGCAACACCTGCTTCTCAATGCCACCATCCAGTCTTG
ACCTACACACCACCTCTAGCCAACCTACCTGCTCTCCAAGGAGCATGCTCGCAGCTGCCACCAGGGAAGCT
TCTGCATGCTGTGTGTCATGCAGAACCATATTGTCAGGCCTTCGCCAACAGCGGCAACGCCATCAAGCC
CGTCTCCTTATCCGAGACCTGAAAAGATCGCCCGACACTTCCGCTTTGGGAACCAGGAGGACGCGCAT
GAGTTCCTGCGGTACCCATCGACGCCATGCAGAAAGCCTGCCTGAATGGCTGTGCCAAGTTGGATCGTC
AAACGCAGGCTACTACCTTGGTCCATCAAATTTTGGAGGATCTCAGATCACGCGTGAAGTGTCCGT
GTGCAAGAGCGTCTCGGACACTACGACCCCTACTTGGACGTGCGCTGGAGATCCGGCAAGCTGCGAAT
ATTGTGCGTGTCTGAACTTTTTGTGAAAGCAGATGTCTGAGTGGAGAGAATGCCTACATGTGTGCTA
AATGCAAGAAGAAGTTCCAGCCAGCAAGCGCTTACCATCCACAGAACATCCAACGTCTTAACCTTTTC
CCTCAAGCGCTTTGCCAACTTCAGCGGGGGAAGATCACCAAGGATGTAGGCTATCCGGAATTCCTCAAC
ATACGTCCGTATATGTCCAGAATAATGGTGATCCTGTGATGATGGACTCTATGCTGTCTGGTGCCT
CGGGCTACAGCTGCCATGCCGGGCACTATTACTGCTACGTGAAGGCAAGCAATGGACAGTGGTACCAGAT
GAATGATTCCTTGGTCCATTCCAGCAACGTCAAGGTGTTCTGAACCAGCAGGCCACTGCTGTCTAT
CTGCGAATTCAGGCTCTAAGAAAAGTCCCGAGGGCCTCATCTCCAGGACAGGCTCCTCCTCCCTCCCG
GCCGCCGAGTGTGATTCAGATCACTCCAAGAAGAACATCGGCAATGGGATTATTTCTCCCACTGAC
TGAAAGCGACAAGACTCTGGACGATGAAGAAGCCGACACCCTGAAGAGATTGGTGTGCCCATATCC



[View online »](#)

AGGAATGGCTCCACCCTGGGCTGAAGTCCCAGAACGGCTGCATTCTCCAAAGCTGCCCTCGGGTCCC
 CTTCCCCAAACTCTCCAGACACCCACACATGCCAACATCCTAGACGACCTGGAAAGAAGGTGAA
 GAAGCCAGCTCCTCCACAGCACTTTTCCCCAGAACTGCTCAGGGGCTGCCTGGGACCAGCAACTCGAAT
 AGCAGCAGATCTGGGAGCCAAAGGCAGGGCTCTGGGACAGCAGGGATGTTGTCTCTACCTCACCTA
 AGCTCTGGCTACAGCCACTGCCAACGGCATGGGCTGAAGGGGAACGACGAGAGCGTGGCCTCGACAG
 GAGGGGCTCCAGCAGCTCCAGCCCAGAGCACTCGGCCAGCAGTACTCCACCAAGGCCCCAGACCCCC
 AGGAGTGGAGCGCCCATCTCTGCGATTCTCAGGAAACGAACTGTCCACCCTGGCCACTCCAAAACGC
 CGCAAGTGGAGCAGATTCTAAGACGGTGAAGCTGAAGTCCCCTGTCTGAGCAACACCACCACTGAGCC
 TGCAAGCACCATGTCTCTCCACCAGCCAAAAAAGTGGCCCTTTCTGCCAAGAAGGCCAGCACCTGTGG
 AGGGGACCGGCAATGACCTCCGTCCACCTCCCCCTCACCATCCTCCGACCTCACCCACCCATGAAAA
 CCTCTACCCCGTGTTCCTCCACTTGGCCCGTCCATAGAGCCAGGGCTGTGTACCTGCTCCCAATC
 ATCCAGCCGCTGCAACCCCTTCAGCCCCACCCACATTGCTGTCCAGTACCCCAAGCCCCAGGG
 ACGTCAGAACCACGGAGTGTCTCTCCATCTCGACGGCGTGCCTCAGGTCAACGAGGACCTTGTGTCTC
 TTCCACACCAAGTCCAGAGGCCAGTGAAGCCCCAGAGCCCTCTGAGAAGAGGAAAAAGACCTTTGT
 GGGAGAGCCGAGAGGCTGGGCTCAGAGACGGCCTCCACAGCAGATCAGGGAGGCCACTGCGGCTCCC
 CACGGGAAGAGGAAGAGGAAGAAGAAGAGCGCCGGAGGACACAGCTGCCAGCGCCTGCAGGAGGGGC
 AGACACAGAGACAGCCTGGGAGCCCATGTACAGGAGGGAGGGCCAGGCACAGCTGCCCGCTGTGACAGC
 GCAGGAAGATGGCACACAGCCACAGGTGAATGGCCAGCAGGTGGGATGTGTTACGGACGGCCACCACGCG
 AGCAGCAGGAAGCGGAGGAGGAAAGGAGCAGAAGGTCTTGGTGAAGAAGCGGCCATGCCACGAGCCAC
 TTCGGCACAGTGTCTCCATGGGTGATGGTGTCCAGAGGCCATGGAAGATCTCAAGGAAAAAGAA
 AAAGAAAAAAGAAAGCAGGAGACACAGCGGCAGTGAAGAGGATGGGCATCTCAAATGCCAAGGAGT
 GCCAAGCCCCAAGATGCTGTTGTCCCGAGTCCAGCAGCTGCCACCATCCGCAATGGTGTGTCTCC
 GGGACCGCATGGGGCTGAGCCAGGCCCTCTGTGTCTTGAATGGAGAGCGGGAGTCTGATGTGTCCCA
 GGAATGCTCAAATACTCATCTGATAAAGCTTACGGGAGAAAAAGTCTGACCTGGGCAAGATGTCG
 GGGTCAGTCAGGATGCTATTGAAGACAGCAGACAGGCCCGGACTGAGACCGTGGTTGATGACTGGGACG
 AAGAGTTTGACCGAGGGAAGGAAAAAATAAAAAATTAAGAGAGAGAAGAGGAGAACTTCAACGC
 CTTCCAGAAACTTCAGACTCGACGGAATTCTGGTCTGTGACTCACCCAGCAAAGGCTGCCAGCCTCAGC
 TATCGCCGC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

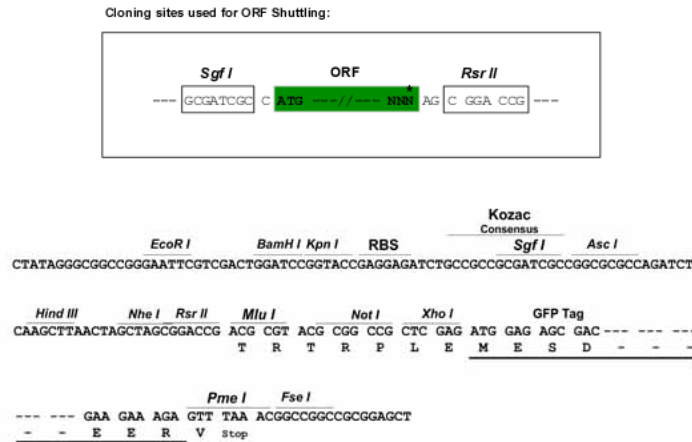
>RG209781 representing NM_025090
 Red=Cloning site Green=Tags(s)

MPIVDKLKEALKPGRKDSADDGELGKLLASSAKVLLQKIEFEPASKSFSYQLEALKSKYVLLNPKTEGA
 SRHKSGDDPPAGRQGEHTYESCVDGVPAPQKVLFPETERLSLRWERVFRVAGLHNLGNTCFLNATIQL
 TYTPPLANYLLSKEHARSCHQGSFCMLCVMQNHIVQAFANSGNAIKPVSFIRDLLKIIARHFRFGNQEDAH
 EFLRYTIDAMQKACLNGCAKLDRTQATTLVHQIFGGYLRSRVKCSVCKSVSDTYDYPYLDVALEIRQAAN
 IVRALELFVKADVLSGENAYMCAKCKKVPASKRFTIHRTSNVLTLSLKRFAFSGGKITKDVGYPEFLN
 IRPYMSQNNGDPVYGLYAVLVHSGYSCHAGHYCYVVKASNGQWYQMNDLSLVHSSNVKVVLLNQAYVLFY
 LRIPGSKKSPEGLISRTGSSSLPGRPSVIPDHSKKNIGNGISSPLTGKRQDSGTMKKPHTTEEIGVPI
 RINGSTLGLKSQNGCIPPKLPSGSPSPKLSQTPHPTILDDPGKVKKPPAPPQHFSPRTAQLPGTSNSN
 SSRSGSQRQGSWDSRDVVLSTSPKLLATATANGHLKGNDESAGLDRRGSSSSSPEHSASSDSTKAPQTP
 RSGAAHLCDSQETNCSTAGHSKTPPSGADSKTVLKSPLSNTTTEPASTMSPPPAKKLLSAKKASTLW
 RATGNDLRPPPPSPSSDLTHPMKTSHPVVASTWPVHRARAVSPAPQSSSRLQPPFSPHPTLLSSTPKPPG
 TSEPRSCSSI STALPQVNEDLVSLPHQLPEASEPPQSPSEKRKKTFFVGEQRLGSETRLQPHIREATAAP
 HGKRRRKKKRPEDTAASALQEQGTQRQPGSPMYRREGQAQLPAVRRQEDGTQPQVNGQVGCVTGDGHA
 SSRKRRRKGAEGLGEEGLHQDPLRHSCSPMGDPEAMEESPRKRRKRRKQETQRAVEEDGHLKCPRS
 AKPQDAVVPESSSCAPSANGWCPGDRMGLSQAPPVSWNGERESDVVQELLYSSDKAYGRKVLTDWGKMS
 AVSQDAIEDSRQARTETVVDDWDEEFDRGKEKIKKFKREKRRNFNAFQKLQTRRNFWSVTHPAKAASLS
 YRR

SGPTRRRLE - GFP Tag - V

Restriction Sites: SgfI-RsrII

Cloning Scheme:



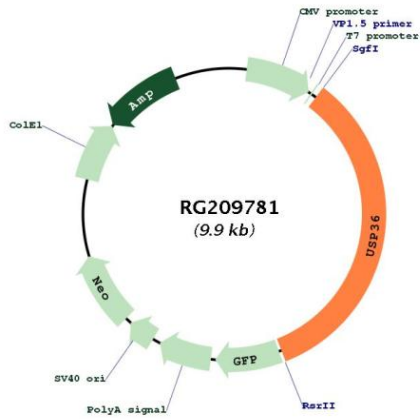
ACCN: NM_025090

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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_025090.3 , NP_079366.3
RefSeq Size:	5234 bp
RefSeq ORF:	3372 bp
Locus ID:	57602
Cytogenetics:	17q25.3
Domains:	UCH
Protein Families:	Druggable Genome, Protease
Gene Summary:	This gene encodes a member of the peptidase C19 or ubiquitin-specific protease family of cysteine proteases. Members of this family remove ubiquitin molecules from polyubiquitinated proteins. The encoded protein may deubiquitinate and stabilize the transcription factor c-Myc, also known as MYC, an important oncoprotein known to be upregulated in most human cancers. The encoded protease may also regulate the activation of autophagy. This gene exhibits elevated expression in some breast and lung cancers. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RG209781