OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RR208446

Usp40 (NM_001134885) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Usp40 (NM_001134885) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Usp40
Synonyms:	LRRGT00071
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR208446 representing NM_001134885 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGTTTGGGAACCTATTTGAAGAGGACTATTCCAGTGTGTCAAGTAGTCAGTATGGAAGCGGGAAGAAAT TAAAGACTAAAGGTTTGGAGCCACCTGCCCCTAGAGAATTCACCAAGTTAAGTGGAATCAGAAATCAGGG TGGAACCTGTTACCTCAGTTCCCTGCTTCAGACACTTCACTTCACACCTGAATTCAGAGAAGCTTTATTT TCTCTTGGTCCGGAAGAGCTCGGTTCTCTAGAGGATAAGGATAAACCCGAAGCAAAGGTCCGGATCATAC CTTTGCAGTTGCAGCGCTTGTTTGCCCAGCTTCTGCTCGTGGACCAGGAGGCTGCATCCACCACAGACCT CACTGACAGCTTCGGGTGGACCAGCGATGAGGAAATGAGACAACACGATGTGCAGGAACTCAACCGAATT CTCTTCAGTGCTTTGGAAACTTCTTTAGTTGGGACCTCTGGCCATGACCTCATTCATCGTCTATACCATG GCACCATTGTGAACCAGATTGTTTGCAAAGAGTGTAAGAATGTCAGTGAGAGGCAGGAAGACTTCTTGGA TTTGACAGTAGCAGTCAAAAACGTATCTGGTTTAGAAGATGCACTCTGGAACATGTACGTGGAGGAGGAA ATTTTCGACTATGATAACTTGTACCACTGTGGAACCTGTGACCGGCTGGTGAAAGCAGCAAAGTCTGCCA AATTACGTAAGCTGCCTCCTTTTCTTACTATTTCATTACTAAGATTTAATTTTGATTTTGTGAAATGTGA ACGCTACAAGGATACTAGCTGTTATACATTCCCCCTCCGGATCAATCTCAAGCCTTTCTGTGAACAGAGT GACATGGATGACATGGAATATATGTATGACCTCTTCTCTGTCATTATCCACAAAGGTGGCTGCTATGGAG GTCATTACCATGTGTACATTAAAGACGTTGATCATCTCGGCAACTGGCAATGTCAAGAGGAGATAAGTGA TTCAGCTGTGAATTTGAAAGCTCCTCAGAATGAAGAAGAGACTGATGATCCACTGGTGGTTCTAAAAGCA ATCTTATTGCAGGAGGAGGCCAATCAAATTCCTGTTGATCAGCTGGGCCAGAAACTCTTGATAAAAACAG GAATATCTTGGAACAAGAAGTACAGGAAACAGCATGGACCACTGCGAAAGTTCTTACGGCTCCATCCTCA GGTATTTCTGCTCAGCACAGATGAAAGTACAGTCAGTCTCCAGAGAAGCCATTTTCCCCAGGTCCCGTCT GATCCACAGAGCCATGAACAGATTGCACACACACTTGCTTCAGAACCCCCAGGCTTAAGGGATAACATCA GTTGCCCACACTGGTTTGACATCAATGATTCCAAAGTCCAGCCAATCAAAGAGAAAGATATCATGCAGCA GTTCCAGGGTAAAGAAAGTGCCTACATGCTATTTTATCGGAAAGCCACGCTGCAGAGACCCTCTGAAGCT CAAGCCAATCCAAGATACAGAGTTCCCTGTCATTTACTAAAGGAAATGGATGCAGCCAACGTTCTCCTGC

View online »

AGACGAGAAGGGCAGAATGTGACTCTGCAAACAGTACTTTTGAGTTGCATCTCCACTTGGGTCCTCACTA
CCGTTTCTTCAATGGGGCTCTTCACCCTGCAGTCTCTCAGACTGAGAGCGTGTGGGACTTAACATTTGAT
AAAAGAAAAACTGTAGGAGATCTCCGTCAGTCAATATTTCAGCTATTGGAGTTCTGGGAAGGAGACATGG
TTCTCAGTGTTGCGAAGCGTGTGCCAGCAGGACTTCATGTGTACCATACCCTCGATGGAGATGAACTGAC
ACTGGGTGAAGCTGAAATCGCTGATGAGGAAGACATCTTTGTATGGAATGGGGTGGAGGTTGGTGGAGTC
CAAATTCAGACTGGTTTTGACTGTGAACCTCTGCTGTTACACATTCTTCATCTAGAGTTAAGTGGGGAAG
GCTCAGAGTGTGAGCAGTTGGTGGAGTCGCCACATGTCTTTCCCGCTAATGCCGAAGTGGGCACTGTGTT
CACAGCCTTGGGCACCCCAGAAGGCGTCCTCCTCATGAACAGTGTGGAATCTACAGATGAAGAGTGCTGG
ACTGCTATTCCCCAAGAAGACATGAAGAAGACATTCAGAGAGCAAGGTCTCAGAAATGGAAGCTTAATTT
TGGTTCAGGATTCAGACAGTGATGATAACAGTCTGTTGTCCAAACAAGGGAGATGGACCAGCAGCATGAA
TGAGCTCAACTGGCTCCAAGTGAAAAACTTCTGCCAGTCAGGATCTGAAGAGAAGCAGGTTCAGATAGCC
GTGACCATGCACACAGTGGTGTTTGATATTCGAATTAAAGCCATAAAGGAATTAAAATTAATGAAGGAAC
TAGCTGAGAACAGCTGTTTGAGACCCATTGATAGAAACGGGAGGCTCCTTTGTCCAGTACCAGATACCAG
CACTTTGGAGGAGGCAGAGGTGAAGATGGGGAGCTCCGTGGGACTGTGTCTGGGGAAAGCACCAACTTCC
TCTCAGCTGTTCCTGTTTTTTGCTCTGGGGACTGACATTCACCCTGGGGCAGAGCTGGAAGTCATAGTAG
AAGAAACACTCTCAGTGAGAGATTGTTTAAAGATAATGCTGGAGAAGTCAGGTCAGCAAGGAGAGATGTG
GCACTTAAGGAAAATGGATTGGTGCTATGAAGCTGGTGAGCCTTTATGTGAAGAAGATGCAACATTGAAA
GAGCTTATGATATGTTCTGGGGACACTTTGCTGTTAACTGAAGGAAAACTGCCTTCTCCGGGGCACTTGA
AGATGCCCATCTGGTGGTACCAGCCTGAAAGGCTGTCAGGACACCGTGAGAGCTGGGACCACTTAAACTG
TGCCTTTTCTCAAGGTAGCAGCTGGGGAGCTGCTCCCACCCAAGGTGCTCCTGGCCCTGAGCCTGCAGAA
GTCTCTCTCCTCTACTTGGGAGATATGGAGATCTCAGAAGAGGCCACTTTGGCAGAACTGAAGTCTAAGG
CCTTGGCCTTGCCTTCTGTGTTGAAGCTCGCCGTCCAGTCCACAAGCCTGCTTAGAGTCTGGACAGTGGA
GAGCAAGCGCCCCAGCAGGCTCTTGCGCACTGGTTGGCGGCAGCTCAAGGAGTACAGACTGGGCCGGAGA
ACTGAGCTCTGCTTAGAGCTCCTTCAAAAGGAGGAGGACTTGGGCCCCCGGGATGTACTGCTGAGGACAC
AGCTACGCATCCCTGGTGAGAGAGCCTACTCCCTGGCCAAAGACCTAGTATGGGACACCACCAGAGGATG
GACTGCTGGCTCCTTGAGGCAGAGAGTGGCTGACTTCTATTCTCTTCCTGTGGAGAAAATTGAAATTGCC
AAATATTTTCCTGAAAAGTTTGAGTGGCTTCCAATATCTAGCTGGAATCAGCAAATTGCCAAAAGGAAAA
AGAAGAAAAACCAAGATACTTTGCAAGGGGGACCATATTACTTAAAAGACGGAGACACTATTGGCATTAA
GAATCTCTTGTTTGATGACAATGATGATTTCAGCACAATCAGAGATGACATTGGAAAGGAAAACCAGAAG
CGGACAGCTCTGGAGAAAAAGAAAAGCCGAGAAGTCCAACGTACACAGAGCAGCGATGTGTTCTCCAATT
CAGGAATGCCTACTAGGCCCCGGGGACCAGAAGCTTCTCTGTCCATCCATGTTGCGAGCTTCAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

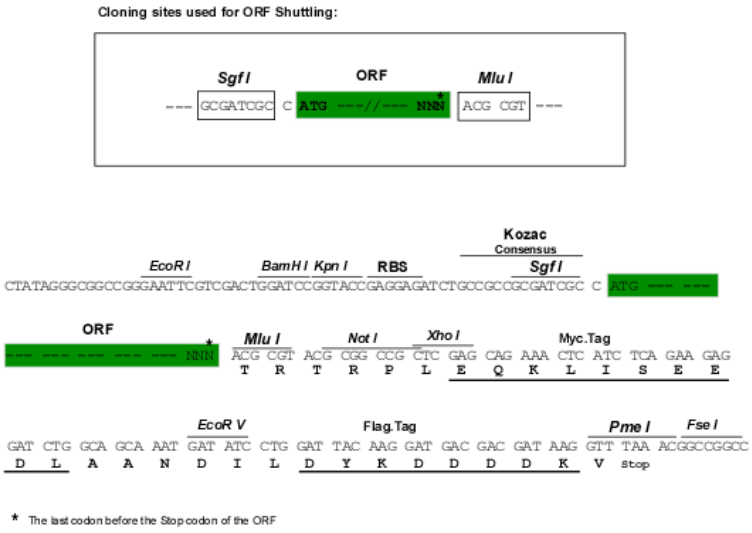
>RR208446 representing NM_001134885
Red=Cloning site Green=Tags(s)

MFGNLFEEDYSSVSSSQYGSGKKLKTKGLEPPAPREFTKLSGIRNQGGTCYLSSLLQTLHFTPEFREALF
SLGPEELGSLEDKDKPEAKVRIIPLQLQRLFAQLLLVDQEAASTTDLTDSFGWTSDEEMRQHDVQELNRI
LFSALETSLVGTSGHDLIHRLYHGTIVNQIVCKECKNVSERQEDFLDLTVAVKNVSGLEDALWNMYVEEE
IFDYDNLYHCGTCDRLVKAAKSAKLRKLPPFLTISLLRFNFDFVKCERYKDTSCYTFPLRINLKPFCEQS
DMDDMEYMYDLFSVIIHKGGCYGGHYHVYIKDVDHLGNWQCQEEISDSAVNLKAPQNEEETDDPLVVLKA
ILLQEEANQIPVDQLGQKLLIKTGISWNKKYRKQHGPLRKFLRLHPQVFLLSTDESTVSLQRSHFPQVPS
DPQSHEQIAHTLASEPPGLRDNISCPHWFDINDSKVQPIKEKDIMQQFQGKESAYMLFYRKATLQRPSEA
QANPRYRVPCHLLKEMDAANVLLQTRRAECDSANSTFELHLHLGPHYRFFNGALHPAVSQTESVWDLTFD
KRKTVGDLRQSIFQLLEFWEGDMVLSVAKRVPAGLHVYHTLDGDELTLGEAEIADEEDIFVWNGVEVGGV
QIQTGFDCEPLLLHILHLELSGEGSECEQLVESPHVFPANAEVGTVFTALGTPEGVLLMNSVESTDEECW
TAIPQEDMKKTFREQGLRNGSLILVQDSDSDDNSLLSKQGRWTSSMNELNWLQVKNFCQSGSEEKQVQIA
VTMHTVVFDIRIKAIKELKLMKELAENSCLRPIDRNGRLLCPVPDTSTLEEAEVKMGSSVGLCLGKAPTS
SQLFLFFALGTDIHPGAELEVIVEETLSVRDCLKIMLEKSGQQGEMWHLRKMDWCYEAGEPLCEEDATLK
ELMICSGDTLLLTEGKLPSPGHLKMPIWWYQPERLSGHRESWDHLNCAFSQGSSWGAAPTQGAPGPEPAE
VSLLYLGDMEISEEATLAELKSKALALPSVLKLAVQSTSLLRVWTVESKRPSRLLRTGWRQLKEYRLGRR
TELCLELLQKEEDLGPRDVLLRTQLRIPGERAYSLAKDLVWDTTRGWTAGSLRQRVADFYSLPVEKIEIA
KYFPEKFEWLPISSWNQQIAKRKKKKNQDTLQGGPYYLKDGDTIGIKNLLFDDNDDFSTIRDDIGKENQK
RTALEKKKSREVQRTQSSDVFSNSGMPTRPRGPEASLSIHVASFR

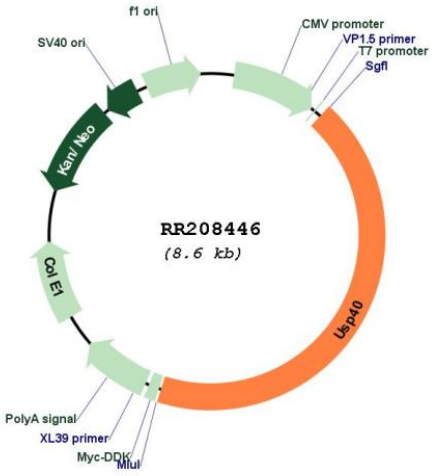
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001134885
ORF Size:	3705 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_001134885.1, NP_001128357.1
RefSeq Size:	5246 bp
RefSeq ORF:	3708 bp
Locus ID:	316599
Cytogenetics:	9q35
MW:	140.1 kDa