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 RC231492

LY75 (LY75-CD302) (NM_001198760) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LY75 (LY75-CD302) (NM_001198760) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LY75-CD302
Synonyms:	CD205; CLEC13B; DEC-205; gp200-MR6; Ly-75; LY75
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC231492 representing NM_001198760 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGACAGGCTGGGCGACCCCTCGCCGCCCGGCGGGGCTCCTCATGCTGCTCTTCTGGTTCTTCGATC
TCGCGGAGCCCTCTGGCCGCGCAGCTAATGACCCCTTCACCATCGTCCATGGAAATACGGGCAAGTGCAT
CAAGCCAGTGTATGGCTGGATAGTAGCAGACGACTGTGATGAAACTGAGGACAAGTTATGGAAGTGGGTG
TCCCAGCATCGGCTCTTTCATTTGCACTCCCAAAAGTGCCTTGGCCTCGATATTACCAAATCGGTAAATG
AGCTGAGAATGTTCAGCTGTGACTCCAGTGCCATGCTGTGGTGGAAATGTGAGCACCACTCTCTGTACGG
AGCTGCCCGGTACCGGCTGGCTCTGAAGGATGGACATGGCACAGCAATCTCAAATGCATCTGATGTCTGG
AAGAAAGGAGGCTCAGAGGAAAGCCTTTGTGACCAGCCTTATCATGAGATCTATACCAGAGATGGGAACT
CTTATGGGAGACCTTGTGAATTTCCATTCTTAATTGATGGGACCTGGCATCATGATTGCATTCTTGATGA
AGATCATAGTGGGCCATGGTGTGCCACCACCTTAAATTATGAATATGACCGAAAGTGGGGCATCTGCTTA
AAGCCTGAAAACGGTTGTGAAGATAATTGGGAAAAGAACGAGCAGTTTGGAAGTTGCTACCAATTTAATA
CTCAGACGGCTCTTTCTTGGAAAGAAGCTTATGTTTCATGTCAGAATCAAGGAGCTGATTTACTGAGCAT
CAACAGTGCTGCTGAATTAACTTACCTTAAAGAAAAAGAAGGCATTGCTAAGATTTTCTGGATTGGTTTA
AATCAGCTATACTCTGCTAGAGGCTGGGAATGGTCAGACCACAAACCATTAAACTTTCTCAACTGGGATC
CAGACAGGCCCAGTGCACCTACTATAGGTGGCTCCAGCTGTGCAAGAATGGATGCTGAGTCTGGTCTGTG
GCAGAGCTTTTCCTGTGAAGCTCAACTGCCCTATGTCTGCAGGAAACCATTAAATAATACAGTGGAGTTA
ACAGATGTCTGGACATACTCAGATACCCGCTGTGATGCAGGCTGGCTGCCAAATAATGGATTTTGCTATC
TGCTGGTAAATGAAAGTAATTCCTGGGATAAGGCACATGCGAAATGCAAAGCCTTCAGTAGTGACCTAAT
CAGCATTCATTCTCTAGCAGATGTGGAGGTGGTTGTCACAAAACTCCATAATGAGGATATCAAAGAAGAA
GTGTGGATAGGCCTTAAGAACATAAACATACCAACTTTATTTCAGTGGTCAGATGGTACTGAAGTTACTC
TAACATATTGGGATGAGAATGAGCCAAATGTTCCCTACAATAAGACGCCCAACTGTGTTTCCTACTTAGG
AGAGCTAGGTCAGTGGAAAGTCCAATCATGTGAGGAGAAACTAAAATATGTATGCAAGAGAAAGGGAGAA
AAACTGAATGACGCAAGTTCTGATAAGATGTGTCCTCCAGATGAGGGCTGGAAGAGACATGGAGAAACCT

View online »

GTTACAAGATTTATGAGGATGAGGTCCCTTTTGGAACAAACTGCAATCTGACTATCACTAGCAGATTTGA
GCAAGAATACCTAAATGATTTGATGAAAAAGTATGATAAATCTCTAAGAAAATACTTCTGGACTGGCCTG
AGAGATGTAGATTCTTGTGGAGAGTATAACTGGGCAACTGTTGGTGGAAGAAGGCGGGCTGTAACCTTTT
CCAACTGGAATTTTCTTGAGCCAGCTTCCCCGGGCGGCTGCGTGGCTATGTCTACTGGAAAGTCTGTTGG
AAAGTGGGAGGTGAAGGACTGCAGAAGCTTCAAAGCACTTTCAATTTGCAAGAAAATGAGTGGACCCCTT
GGGCCTGAAGAAGCATCCCCTAAGCCTGATGACCCCTGTCCTGAAGGCTGGCAGAGTTTCCCCGCAAGTC
TTTCTTGTTATAAGGTATTCCATGCAGAAAGAATTGTAAGAAAGAGGAACTGGGAAGAAGCTGAACGATT
CTGCCAAGCCCTTGGAGCACACCTTTCTAGCTTCAGCCATGTGGATGAAATAAAGGAATTTCTTCACTTT
TTAACGGACCAGTTCAGTGGCCAGCATTGGCTGTGGATTGGTTTGAATAAAAGGAGCCCAGATTTACAAG
GATCCTGGCAATGGAGTGATCGTACACCAGTGTCTACTATTATCATGCCAAATGAGTTTCAGCAGGATTA
TGACATCAGAGACTGTGCTGCTGTCAAGGTATTTCATAGGCCATGGCGAAGAGGCTGGCATTTCTATGAT
GATAGAGAATTTATTTATTTGAGGCCTTTTGCTTGTGATACAAAACTTGAATGGGTGTGCCAAATTCCAA
AAGGCCGTACTCCAAAAACACCAGACTGGTACAATCCAGACCGTGCTGGAATTCATGGACCTCCACTTAT
AATTGAAGGAAGTGAATATTGGTTTGTTGCTGATCTTCACCTAAACTATGAAGAAGCCGTCCTGTACTGT
GCCAGCAATCACAGCTTTCTTGCAACTATAACATCTTTTGTGGGACTAAAAGCCATCAAAAACAAAATAG
CAAATATATCTGGTGATGGACAGAAGTGGTGGATAAGAATTAGCGAGTGGCCAATAGATGATCATTTTAC
ATACTCACGATATCCATGGCACCGCTTTCCTGTGACATTTGGAGAGGAATGCTTGTACATGTCTGCCAAG
ACTTGGCTTATCGACTTAGGTAAACCAACAGACTGTAGTACCAAGTTGCCCTTCATCTGTGAAAAATATA
ATGTTTCTTCGTTAGAGAAATACAGCCCAGATTCTGCAGCTAAAGTGCAATGTTCTGAGCAATGGATTCC
TTTTCAGAATAAGTGTTTTCTAAAGATCAAACCCGTGTCTCTCACATTTTCTCAAGCAAGCGATACCTGT
CACTCCTATGGTGGCACCCTTCCTTCAGTGTTGAGCCAGATTGAACAAGACTTTATTACATCCTTGCTTC
CGGATATGGAAGCTACTTTATGGATTGGTTTGCGCTGGACTGCCTATGAAAAGATAAACAAATGGACAGA
TAACAGAGAGCTGACGTACAGTAACTTTCACCCATTATTGGTTAGTGGGAGGCTGAGAATACCAGAAAAT
TTTTTTGAGGAAGAGTCTCGCTACCACTGTGCCCTAATACTCAACCTCCAAAAATCACCGTTTACTGGGA
CGTGGAATTTTACATCCTGCAGTGAACGCCACTTTGTGTCTCTCTGTCAGAAATATTCAGAAGTTAAAAG
CAGACAGACGTTGCAGAATGCTTCAGAAACTGTAAAGTATCTAAATAATCTGTACAAAATAATCCCAAAG
ACTCTGACTTGGCACAGTGCTAAAAGGGAGTGTCTGAAAAGTAACATGCAGCTGGTGAGCATCACGGACC
CTTACCAGCAGGCATTCCTCAGTGTGCAGGCGCTCCTTCACAACTCTTCCTTATGGATCGGACTCTTCAG
TCAAGATGATGAACTCAACTTTGGTTGGTCAGATGGGAAACGTCTTCATTTTAGTCGCTGGGCTGAAACT
AATGGGCAACTCGAAGACTGTGTAGTATTAGACACTGATGGATTCTGGAAAACAGTTGATTGCAATGACA
ATCAACCAGGTGCTATTTGCTACTATTCAGGAAATGAGACTGAAAAAGAGGTCAAACCAGTTGACAGTGT
TAAATGTCCATCTCCTGTTCTAAATACTCCGTGGATACCATTTCAGAACTGTTGCTACAATTTCATAATA
ACAAAGAATAGGCATATGGCAACAACACAGGATGAAGTTCATACTAAATGCCAGAAACTGAATCCAAAAT
CACATATTCTGAGTATTCGAGATGAAAAGGAGAATAACTTTGTTCTTGAGCAACTGCTGTACTTCAATTA
TATGGCTTCATGGGTCATGTTAGGAATAACTTATAGAAATAAGTCTCTTATGTGGTTTGATAAGACCCCA
CTGTCATATACACATTGGAGAGCAGGAAGACCAACTATAAAAAATGAGAAGTTTTTGGCTGGTTTAAGTA
CTGACGGCTTCTGGGATATTCAAACCTTTAAAGTTATTGAAGAAGCAGTTTATTTTCACCAGCACAGCAT
TCTTGCTTGTAAAATTGAAATGGTTGACTACAAAGAAGAATATAATACTACACTGCCACAGTTTATGCCA
TATGAAGATGGTATTTACAGTGTTATTCAAAAAAAGGTAACATGGTATGAAGCATTAAACATGTGTTCTC
AAAGTGGAGGTCACTTGGCAAGCGTTCACAACCAAAATGGCCAGCTCTTTCTGGAAGATATTGTAAAACG
TGATGGATTTCCACTATGGGTTGGGCTCTCAAGTCATGATGGAAGTGAATCAAGTTTTGAATGGTCTGAT
GGTAGTACATTTGACTATATCCCATGGAAAGGCCAAACATCTCCTGGAAATTGTGTTCTCTTGGATCCAA
AAGGAACTTGGAAACATGAAAAATGCAACTCTGTTAAGGATGGTGCTATTTGTTATAAACCTACAAAATC
TAAAAAGCTGTCCCGTCTTACATATTCATCAAGATGTCCAGCAGCAAAAGAGAATGGGTCACGGTGGATC
CAGTACAAGGGTCACTGTTACAAGTCTGATCAGGCATTGCACAGTTTTTCAGAGGCCAAAAAATTGTGTT
CAAAACATGATCACTCTGCAACTATCGTTTCCATAAAAGATGAAGATGAGAATAAATTTGTGAGCAGACT
GATGAGGGAAAATAATAACATTACCATGAGAGTTTGGCTTGGATTATCTCAACATTCTGTTGACTGTCCT
TCATCTACTTGGATTCAGTTCCAAGACAGTTGTTACATTTTTCTCCAAGAAGCCATCAAAGTAGAAAGCA
TAGAGGATGTCAGAAATCAGTGTACTGACCATGGAGCGGACATGATAAGCATACATAATGAAGAAGAAAA
TGCTTTTATACTGGATACTTTGAAAAAGCAATGGAAAGGCCCAGATGATATCCTACTAGGCATGTTTTAT
GACACAGATGATGCGAGTTTCAAGTGGTTTGATAATTCAAATATGACATTTGATAAGTGGACAGACCAAG
ATGATGATGAGGATTTAGTTGACACCTGTGCTTTTCTGCACATCAAGACAGGTGAATGGAAAAAAGGAAA

TTGTGAAGTTTCTTCTGTGGAAGGAACACTATGCAAAACAGCTATCCCATACAAAAGGAAATATTTATCA
GATAACCACATTTTAATATCAGCATTGGTGATTGCTAGCACGGTAATTTTGACAGTTTTGGGAGCAATCA
TTTGGTTCCTGTACAAAAAACATTCTGATTCTCGTTTCACCACAGTTTTTTCAACCGCACCCCAATCACC
TTATAATGAAGACTGTGTTTTGGTAGTTGGAGAAGAAAATGAATATCCTGTTCAATTTGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

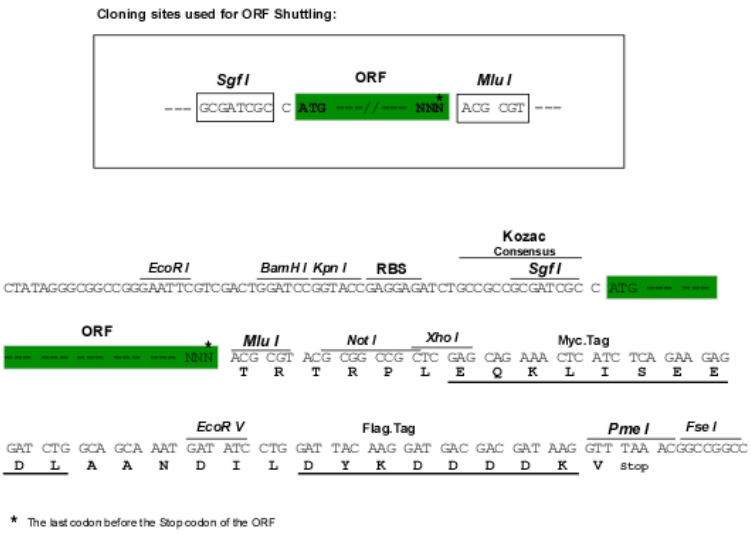
>RC231492 representing NM_001198760
Red=Cloning site Green=Tags(s)

MRTGWATPRRPAGLLMLLFWFFDLAEPSGRAANDPFTIVHGNTGKCIKPVYGWIVADDCDETEDKLWKWV
SQHRLFHLHSQKCLGLDITKSVNELRMFSCDSSAMLWWKCEHHSLYGAARYRLALKDGHGTAISNASDVW
KKGGSEESLCDQPYHEIYTRDGNSYGRPCEFPFLIDGTWHHDCILDEDHSGPWCATTLNYEYDRKWGICL
KPENGCEDNWEKNEQFGSCYQFNTQTALSWKEAYVSCQNQGADLLSINSAAELTYLKEKEGIAKIFWIGL
NQLYSARGWEWSDHKPLNFLNWDPDRPSAPTIGGSSCARMDAESGLWQSFSCEAQLPYVCRKPLNNTVEL
TDVWTYSDTRCDAGWLPNNGFCYLLVNESNSWDKAHAKCKAFSSDLISIHSLADVEVVVTKLHNEDIKEE
VWIGLKNINIPTLFQWSDGTEVTLTYWDENEPNVPYNKTPNCVSYLGELGQWKVQSCEEKLKYVCKRKGE
KLNDASSDKMCPPDEGWKRHGETCYKIYEDEVPFGTNCNLTITSRFEQEYLNDLMKKYDKSLRKYFWTGL
RDVDSCGEYNWATVGGRRRAVTFSNWNFLEPASPGGCVAMSTGKSVGKWEVKDCRSFKALSICKKMSGPL
GPEEASPKPDDPCPEGWQSFPASLSCYKVFHAERIVRKRNWEEAERFCQALGAHLSSFSHVDEIKEFLHF
LTDQFSGQHWLWIGLNKRSPDLQGSWQWSDRTPVSTIIMPNEFQQDYDIRDCAAVKVFHRPWRRGWHFYD
DREFIYLRPFACDTKLEWVCQIPKGRTPKTPDWYNPDRAGIHGPPLIIEGSEYWFVADLHLNYEEAVLYC
ASNHSFLATITSFVGLKAIKNKIANISGDGQKWWIRISEWPIDDHFTYSRYPWHRFPVTFGEECLYMSAK
TWLIDLGKPTDCSTKLPFICEKYNVSSLEKYSPDSAAKVQCSEQWIPFQNKCFLKIKPVSLTFSQASDTC
HSYGGTLPSVLSQIEQDFITSLLPDMEATLWIGLRWTAYEKINKWTDNRELTYSNFHPLLVSGRLRIPEN
FFEEESRYHCALILNLQKSPFTGTWNFTSCSERHFVSLCQKYSEVKSRQTLQNASETVKYLNNLYKIIPK
TLTWHSAKRECLKSNMQLVSITDPYQQAFLSVQALLHNSSLWIGLFSQDDELNFGWSDGKRLHFSRWAET
NGQLEDCVVLDTDGFWKTVDCNDNQPGAICYYSGNETEKEVKPVDSVKCPSPVLNTPWIPFQNCCYNFII
TKNRHMATTQDEVHTKCQKLNPKSHILSIRDEKENNFVLEQLLYFNYMASWVMLGITYRNKSLMWFDKTP
LSYTHWRAGRPTIKNEKFLAGLSTDGFWDIQTFKVIEEAVYFHQHSILACKIEMVDYKEEYNTTLPQFMP
YEDGIYSVIQKKVTWYEALNMCSQSGGHLASVHNQNGQLFLEDIVKRDGFPLWVGLSSHDGSESSFEWSD
GSTFDYIPWKGQTSPGNCVLLDPKGTWKHEKCNSVKDGAICYKPTKSKKLSRLTYSSRCPAAKENGSRWI
QYKGHCYKSDQALHSFSEAKKLCSKHDHSATIVSIKDEDENKFVSRLMRENNNITMRVWLGLSQHSVDCP
SSTWIQFQDSCYIFLQEAIKVESIEDVRNQCTDHGADMISIHNEEENAFILDTLKKQWKGPDDILLGMFY
DTDDASFKWFDNSNMTFDKWTDQDDDEDLVDTCAFLHIKTGEWKKGNCEVSSVEGTLCKTAIPYKRKYLS
DNHILISALVIASTVILTVLGAIIWFLYKKHSDSRFTTVFSTAPQSPYNEDCVLVVGEENEYPVQFD

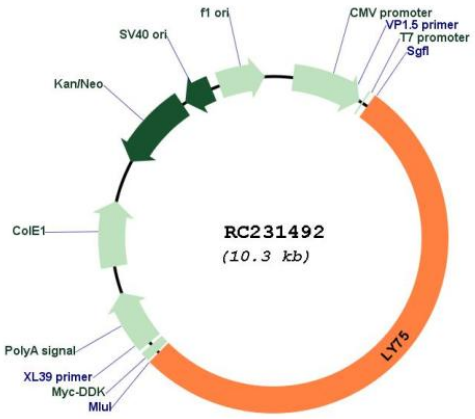
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001198760

ORF Size:	5451 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_001198760.1, NP_001185689.1
RefSeq ORF:	5454 bp
Locus ID:	100526664
UniProt ID:	O60449
Cytogenetics:	2q24.2
MW:	209.9 kDa
Gene Summary:	This locus represents naturally occurring read-through transcription between the neighboring lymphocyte antigen 75 (LY75) and CD302 molecule (CD302) genes. Alternative splicing results in multiple transcript variants encoding fusion products that share sequence identity with each individual gene product. [provided by RefSeq, Nov 2010]