

Product datasheet for **RG231492**

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:	TurboGFP
Symbol:	LY75-CD302
Synonyms:	CD205; CLEC13B; DEC-205; gp200-MR6; Ly-75; LY75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG231492 representing NM_001198760 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGACAGGCTGGGCGACCCCTCGCCGCCGGCGGGGCTCCTCATGCTGCTCTTCTGGTTCTTCGATC
TCGCGGAGCCCTCTGGCCGCGCAGCTAATGACCCCTTCACCATCGTCCATGGAATACGGGCAAGTGCAT
CAAGCCAGTGTATGGCTGGATAGTAGCAGACGACTGTGATGAACTGAGGACAAGTTATGGAAGTGGGTG
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AGCTGAGAATGTTTCAGCTGTGACTCCAGTGCCATGCTGTGGTGGAAATGTGAGCACCCTCTGTACGG
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AAACTGAATGACGCAAGTTCGATAAAGATGTGTCTCCAGATGAGGGCTGGAAGAGACATGGAGAAACCT
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 GATAACCACATTTAATATCAGCATTGGTGATTGCTAGCACGGTAATTTTGACAGTTTTGGGAGCAATCA
 TTTGGTTCCTGTACAAAAACATTCTGATTCTCGTTTCACCACAGTTTTTCAACCGCACCCCAATCACC
 TTATAATGAAGACTGTGTTTTGGTAGTTGGAGAAGAAAATGAATATCCTGTTCAATTTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG231492 representing NM_001198760
 Red=Cloning site Green=Tags(s)

MRTGWATPRRPAGLLMLLFWFFDLAEPSSGRAANDPFTIVHGNTGKCIKPVYVYVADDCDETEDKLWKWV
 SQHRLFHLHSQKCLGLDITKSVNELRMFSCDSSAMLWKKCEHSLYGAARYRLALKDGHGTAINASDVW
 KKGGSSESLCDQPYHEIYTRDGNYSYGRPCFPFLIDGTWHHDCILDEHSGPWCATTLNVEYDRKWGICL
 KPENGCEDNWEKNEQFGSCYQFNTQTALSWKEAYVSCQNGADLLSINSAEELTYLKEKEGIKIFWIGL
 NQLYSARGWEWSDHKPLNFLNWDPRPSAPTIGGSSCARMDAESGLWQSFSCAQPLPVYCRKPLNNTVEL
 TDVWVYSDTRCDAGWLPNNGFCYLLVNESNSWDKAHAKCKAFSSDLISIHSLADVEVVVTKLHNEDIKEE
 VWIGLKNINIPTLFQWSDGTEVTLTYWDENEPNVPYKTPNCVSYLGELGQWKVQSCEEKLYVCKRKE
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 GPEEASPKPDDPCPEGWQSFPAASLSCYKVFHAERIVRKRNWEEAERFCQALGAHLSSFHVDEIKEFLHF
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 GSTFDYIPWKQGTSPGNCVLLDPKGTWKHEKCNVKGDAICYKPTKSKKLSRLTYSSRCPAAKENGSRWI
 QYKGHCYKSDQALHSFSEAKKLC SKHDHSATIVSIKDEDENKFSRMLRENNTITMRVWLGLSQHSVDCP
 SSTWIQFQDSCYIFLQEAIKVESIEDVRNQCTDHGADMISIHNEEENAFILDTLKKQWKGPDDILLGMFY
 DTDDASFKWFDNSNMTFDKWDQDDDELVDTC AFLHIKTGEWKKGNCEVSSVEGTLCKTAIPYKRKYL
 DNHILISALVIASVILTVLGAIIWFLYKKHSDSRFTTFSTAPQSPYNEDCVLVVGEENEYPVQFD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<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_001198760.1 , NP_001185689.1
RefSeq Size:	8751 bp
RefSeq ORF:	5454 bp
Locus ID:	100526664
UniProt ID:	O60449
Cytogenetics:	2q24.2
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]