

Product datasheet for **MC224875**

Ly75 (NM_013825) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ly75 (NM_013825) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ly75
Synonyms: CD205; DEC-205; DEC205
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC224875 representing NM_013825
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGGACGGGCCGGGTGACCCCGGCCTGGCGGCGGGGCTACTCCTGCTGTTGCTGCGGTCTTCGGGC
TTGTGGAGCCTTCTGAGAGCTCAGGTAATGATCCATTACCATCGTCCATGAAAACACTGGCAAGTGCAT
CCAGCCGCTGTGACTGGGTAGTGGCCAGGACTGTAGCGGAATAACAACATGTTGTGGAAGTGGGTG
TCCAGCACCGCCTTTTACCTGGAATCCAGAAGTGCCTCGCCTCGATATTACAAAGCCACGGACA
ACCTGCGAATGTTGAGCTGTGACTCCACCGTCATGCTGTGGTGGAAATGTGAGCACCATTGCTGTACAC
CGCTGCCAGTACAGGCTAGCTCTGAAAGATGGATATGCCGTAGCCAATACGAATACATCTGATGTCTGG
AAGAAGGGAGGCTCCGAGGAAAACCTTTGTGCCAGCCTTATCATGAGATATACACCAGAGATGGGAATT
CCTACGGGAGACCTTGTGAATCCCTTTCTTGATTGGTGAGACATGGTACCATGACTGCATTGATGATGA
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CTACCAGAAAGTGGCTGTGAAGTAACTGGGAAAAGAATGAGCAGATTGGAAGTTGCTACCAATTTAATA
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TGCTGGCGAATGAAAGTAGTTCCCTGGGATGCAGCACATTTGAAATGCAAAGCCTTCGGTGCAGACCTCAT
CAGCATGCACTCCTTAGCAGATGTGGAGTGGTGTGCAGAACTCCATAATGGGATGTCAAAAAAGAA
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ATAACTAAGGATGCAGAGTCGGATAAGCTGTGTCCGCCAGACGAGGGCTGGAAGAGACATGGAGAAACCT
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 GCAGGAATTTCTGAATTATATGATGAAGAACTATGATAAGTCCCTTCGGAAGTACTTCTGGACTGGCCTG
 AGAGACCTGACTCTCGAGGAGAATACAGTTGGGCCGTTGCTCAGGGAGTAAAGCAGGCTGTGACCTTTT
 CCAACTGGAATTTCTTGAACCGCGCTCACCAGCGGGTGGCTATGCTACTGAAAGACTCTTGG
 CAAGTGGGAAGTGAAGAACTGCAGAAGCTCCGTGCTCTTCAATATGCAAGAAAGTGAAGCAACCCAG
 GAGCCTGAAGAAGCAGCCCCCAAGCCGACGACCCCTGTCTGAAGGCTGGCACACTTTCCCTCCAGCC
 TTTCTTGTATAAAGGTGTTCCATATAGAAAAGAATCGTAAGAAAAGAGGAACCTGGGAAGAAGCCGAAAAGTT
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 AAGACGTGGCTTGTGACTTAAGTAAACGAGCGGACTGTAAATGCCAAGTTGCCCTTCATCTGTGAAAGAT
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 AAGCACACAGTCTGAGCATTCCGAATGAGGAGGAGAATACCTTTGTTGTGGAACAGCTTCTGTACTTCAA
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 GCATTGTCTACACACTGGAGAACGGGAAGACCAACTGTGAAAATGGCAATTTTGGCTGGTCTAA
 GTACTGATGGATTCTGGGATATTCAGTCTTTCAATGTTATTGAAGAAACACTTCAATTTTACCAGCACAG
 TATTTCTGCTTGTAAAATGAAATGGTTGACTATGAGGACAAACAATGGCACCCCTGCCACAGTTCATT
 CCATATAAGGACGGCGTCTACAGCGTTATTCAGAAGAAGGTGACGTGGTATGAAGCATTGAACCGTGTCT
 CTCAAAGTGGGGAGAGTTGGCCAGTGTTCACAACCCAAATGGGAAGCTTTTCTGGAAGACATTGTGAA
 CCGTGACGGATTCCCTCTCTGGTTGGGCTCTCAAGTCATGATGGAAGCGAATCGAGTTTCAAGTGGTCC
 GATGGCAGAGCATTGACTATGTCCCATGGCAGAGCCTACAATCTCCCGGAGACTGTGTCGTTTATATC
 CAAAAGGAATTTGGAGACGTGAAAAATGCCTGTCTGTTAAGGATGGTGTCTTTGTTACAAGCCTACAAA
 AGATAAAAAGCTGATCTTTCATGAAAAATCATCAAAATGTCCAGTGGCAAAGAGGGATGGTCCCCAGTGG
 GTCCAGTATGGGGCCACTGTTACGCTTCCGACCAGTACTGCACAGCTTCTCAGAGGCCAAACAAGTGT
 GTCAGAGCTTGTGATTCGGCAACTGTTGTACCATAGCAGATGAAAATGAGAATAAGTTTGTGAGCAG
 ACTGATGAGGGAGAATAAATATTACTATGAGAGTTTGGCTTGGCTGTCTCAGCATTCACTCGATCAG
 TCTTGGAGTTGGCTCGATGGATTAGATGTGACATTTGTCAAATGGGAAAAATAAACTAAGGATGGTGTG
 GGAAATGTAGCATTTTAAAGCTTCAAATGAAACCTGGAGAAAAGTCCATTGCTCACGTGGCTATGCAAG
 AGCTGTCTGCAAAATTCCTCTGAGCCCGGACTACACAGGCATAGCCATCTGTTTGGCGTGTGTGCCCT
 TTAGGGCTCATCAGCTTGGCGATTTGGTTCTCTTGAACGATCCCATATCCGCTGGACCGGCTTCTCT

CGGTTCGGTATGAACATGGAACCAACGAAGACGAGGTGATGCTCCCTTCTTTCCACGACTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3028_e11.zip

Restriction Sites: SgfI-RsrII

ACCN: NM_013825

Insert Size: 5172 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_013825.3](#), [NP_038853.2](#)

RefSeq Size: 5172 bp

RefSeq ORF: 5172 bp

Locus ID: 17076

UniProt ID: [Q60767](#)

Cytogenetics: 2 C1.1

Gene Summary: Acts as an endocytic receptor to direct captured antigens from the extracellular space to a specialized antigen-processing compartment. Causes reduced proliferation of B lymphocytes (By similarity).[UniProtKB/Swiss-Prot Function]