

Product datasheet for **SC127853**

LY75 (NM_002349) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LY75 (NM_002349) Human Untagged Clone
Tag:	Tag Free
Symbol:	LY75
Synonyms:	CD205; CLEC13B; DEC-205; GP200-MR6; LY-75
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127853 sequence for NM_002349 edited (data generated by NextGen Sequencing)

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ATGAGGACAGGCTGGGCGACCCCTCGCCGCCGCGGGGCTCCTCATGCTGCTCTCCGG
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TGTCCTCCAGATGAGGGCTGGAAGAGACATGGAGAAACCTGTTACAAGATTTATGAGGAT
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 TTCTCATCAGTTCGATATGCACAAGGAGTGAATGAAGATGAGATTATGCTTCCTTCTTTC
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Clone variation with respect to NM_002349.3
 58 t=>c;1335 a=>t;2421 c=>g;2544 a=>g;2651 a=>c;3963 g=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002349 unedited
 GTAATACGACTCACTATAGGGCGCCGCAATTCCGGCACGAGGCGGGGCGGGAGCCCGT
 GCGCCCGAGGACCCGGCCGAAGGCTTGCGCCAGCTCAGGATGAGGACAGGCTGGGCGAC
 CCCTCGCCGCCCGGGGCTCCTCATGCTGCTTCCGGTTCTTCGATCTCGCGGAGCC
 CTCTGGCCGCGCAGCTAATGACCCCTTACCATCGTCCATGAAATACGGGCAAGTGCAT
 CAAGCCAGTGTATGGCTGGATAGTAGCAGACGACTGTGATGAAACTGAGGACAAGTTATG
 GAAGTGGGTGCCAGCATCGGCTCTTTCATTTGCACTCCAAAAGTGCCTTGGCCTCGA
 TATTACCAAATCGGTAATGAGCTGAGAATGTTTCAGCTGTGACTCCAGTGCCATGCTGTG
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 CTTAGGCCGGAACGGGTGAAATATATTGAT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_002349 unedited
 AACTTCCCGCCAGGAGAGGCACTGGGGAGGGTCCACAGGGATGCCACCCGGGATCTGTT
 CAGGAAACAGCTATGACC CGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTT
 ACCTAGTAATATGCCTATTTTAAATTTTCTAAGAAGTTTTGTTAAAAATCTATTAATA
 TACATATCCTAGTTACCAATCACATTCATACAGAGAAAATGAACATTAACATATTACTG
 TACAAACAATTTGGACTTCAGTTCAGCTTTGGAGTCCCTCCATTCTATTAATTAGGGT
 GATAAACATGGCATTAGCAGGGAATTAAGTGTGGATACCAGCACATGCCTAAGATCTAA
 ACAACTGAAAAAGTATTTAAGAGTCTACTTTGGAGCAGAGTAAATACTGACACTGGGAC
 ATTTTAAGTGACTAATTTCTATAACACATTAAGTCAAATAGAAAACCTTTTAGAAGAAT
 TTAGTCATGGAAGAAGGAAGCATAATCTCATCTTCATTCACTCCTTGTGCATATCGAAC
 TGATGAGAAACCCGCGAGGTGCAAACGGTGCCTTTGGAAGAGGAACCAAATCAGTCCGCC
 CATGAGAACTAAGATACTTAGTGTGGCAACTATGATAGCTATTGCTGTGTAATCAGGGCC
 CAGAGGCACTTTGCAGACAACCTTCCAAAACCATGTTCCACATCAACTTTTTTTCAAGT
 TTCATTTGAAGCTATCAACATGCTACATCTTNCAACACCACTCTTAN

Restriction Sites:

Please inquire

ACCN:

NM_002349

Insert Size:

6000 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_002349.1](#), [NP_002340.1](#)

RefSeq Size: 6928 bp

RefSeq ORF: 5169 bp

Locus ID: 4065

UniProt ID: [O60449](#)

Cytogenetics: 2q24.2

Domains: FN2, RICIN, CLECT

Protein Families: Transmembrane

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