

Product datasheet for **SC303184**

CD229 (LY9) (NM_002348) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD229 (LY9) (NM_002348) Human Untagged Clone
Tag:	Tag Free
Symbol:	LY9
Synonyms:	CD229; hly9; mLY9; SLAMF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

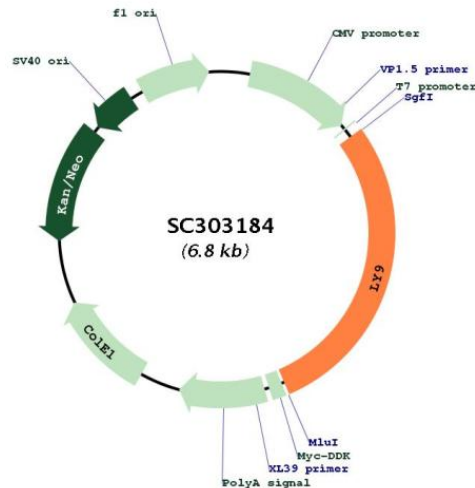


[View online »](#)

Fully Sequenced ORF: >SC303184 representing NM_002348.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTGGCACCAAAGAGTCACACAGATGACTGGGCTCTTCCAGTAAGCCACAGAGGAGT
CAGCTGCAAATATTCTTCTGTTCTACAGACCTCTCCTCTTCTGCTCATGGGACTAAGAGCCTCT
GGAAAGGACTCAGCCCCAACAGTGGTGTACAGGATCCTAGGGGGTTCCGTGACTCTCCCCATAACATC
TCAGTAGACACAGAGATTGAGAACGTCATCTGGATTGGTCCAAAAATGCTCTTGCTTTCGCACGTCCC
AAAGAAAATGTAACCAATTATGGTCAAAAGCTACCTGGGCCGACTAGACATCACCAGTGGAGTTACTCC
CTGTGCATCAGCAATCTGACTCTGAATGATGCAGGATCTACAAAGCCCAGATAAACCAAAGGAATTTT
GAAGTCACCAGTGGAGGGAATTCACCTGTTCTGCTATGAGCAGCTGCAGGAGCCCCAAGTCACCATG
AAGTCTGTGAAGGTGTCTGAGAATTCTCTGTAACATCACTCTAATGTGCTCCGTGAAGGGGCGAGAG
AAAAGTGTCTGTACAGCTGGACCCCAAGGAACCCCATGCTTCTGAGTCCAATGGAGGCTCCATTCTT
ACCGTCTCCCGAACCACTGTGACCCAGACCTGCCATACATCTGCACAGCCAGAACCCCGTCAGCCAG
AGAAGCTCCCTCCCTGTCCATGTTGGGCGAGTCTGTACAGATCCAGGAGCTCCAGAGGAGGAACAACG
GGGAGACTGTGGTAGGGTCTGGGAGAGCCAGTCACCTGCCACTTGCCTCCAGCCTGCCGGGAC
ACAGAGAAGGTTGTCTGTTGTTAACACATCCATCATTAGCAAAGAGAGGGAAGAAGCAGCAACGGCA
GATCCACTCATTAAATCCAGGGATCCTTACAAGAACAGGGTGTGGGTCTCCAGCCAGGACTGCTCCCTG
AAGATCAGCCAGCTGAAGATAGAGGACGCCGCCCTACCATGCCTACGTGTGCTCAGAGGCTCCAGC
GTCACCAGCATGACACATGTCACCCTGCTCATCTACCGCAGGCTGAGGAAGCCAAAAATCACGTGGAGC
CTCAGGCACAGTGGAGTGGCATCTGCAGGATCAGCCTGACCTGCTCCGTGGAGGACGGGGAAACACT
GTCATGTACACATGGACCCCGCTGCAGAAGGAAGCTGTTGTGTCCCAAGGGGAATCACACCTCAATGTC
TCATGGAGAAGCAGTAAAATCACCCCAACCTCACATGCACAGCCAGCAACCCCTGTCAGCAGGAGTTC
CACCAGTTTCTTCTGAGAACATCTGTTCAGGACCTGAGAGAAACACAAAGCTTTGGATTGGTTGTTT
CTGATGGTTTGCCTTCTGTGCGTTGGGATCTTACGCTGGTGCATTTGGAAGCGAAAAGGACGGTGTTC
GTCCAGCCTTCTGTTCCAGCCAAGCTGAGGCCCCAGCGGATACACCAGAACCCACAGCTGGCCACAGC
CTATACTCTGTGCTCTCCAAGGATATGAGAAGCTGGACACTCCCTCAGGCCTGCCAGGCAACAGCCT
ACACCCACCTCAGACAGCAGCTCTGACAGCAACCTCACAACCTGAGGAGGATGAGGACAGGCCTGAGGTG
CACAAGCCCATCAGTGAAGATATGAGGTATTTGACCAGGCTCACTCAGGAGGGCGCTGGACATGACCCA
GCCCTGAGGGCCAAGCAGACTATGATCCCGTCACTCCATATGTCACGGAAGTTGAGTCTGTGGTTGGA
GAGAACACCATGTATGCAAGTGTCAACTTACAGGAAAGACCCAGTTTCTCAGAAGGAAGAGAGC
TCAGCCACAATCTACTGCTCCATACGGAACCTCAGGTGGTGCCACCACCACAACAGAATGATCTTGAG
ATTCTGAAAGTCTACCTATGAAAATTCACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_002348

Insert Size: 1968 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_002348.3](#)

RefSeq Size: 2550 bp

RefSeq ORF: 1968 bp

Locus ID: 4063

UniProt ID: [Q9HBG7](#)

Cytogenetics: 1q23.3

Protein Families: Transmembrane

MW: 72.1 kDa

Gene Summary: LY9 belongs to the SLAM family of immunomodulatory receptors (see SLAMF1; MIM 603492) and interacts with the adaptor molecule SAP (SH2D1A; MIM 300490) (Graham et al., 2006 [PubMed 16365421]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).