

Product datasheet for **SC302761**

CD229 (LY9) (NM_001033667) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CD229 (LY9) (NM_001033667) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CD229 |
| Synonyms: | CD229; hly9; mLY9; SLAMF3 |
| Vector: | <u>pCMV6 series</u> |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001033667, the custom clone sequence may differ by one or more nucleotides ATGGTGGCACAAAGAGTCACACAGATGACTGGGCTCCTGGCCTTTCTCCAGTAAGCCA CAGAGGAGTCAGCTGCAAATATTCTCTTCTGTTCTACAGACCTCTCCTCTTCCTGCTC ATGGGACTAAGAGCCTCTGGAAAGGACTCAGCCCCAACAGTGGTGTGAGGGATCCTAGGG GGTTCCGTGACTCTCCCCCTAACATCTCAGTAGACACAGAGATTGAGAACGTCATCTGG ATTGGTCCCAAAAATGCTCTTGCTTTTCGCACGTCCCAAAGAAAATGTAACCATTATGGTC AAAAGCTACCTGGGCCGACTAGACATCACCAAGTGGAGTTACTCCCTGTGCATCAGCAAT CTGACTCTGAATGATGCAGGATCTACAAGCCCAGATAAACCAAGGAATTTTGAAGTC ACCACTGAGGAGGAATTCACCCTGTTCTGCTATGCACCATTTATTGAAAAGTTGTCCGTC CACGTCATCGAGGGTGACCACCGCACACTCCTGGAGGGCAGCGGCCTGGAGTCCATCATC AGCACCTGGCTGAGCCACGTGTGAGCGTGCGGGAGGGCTAG |
| Restriction Sites: | Please inquire |
| ACCN: | NM_001033667 |
| 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). |



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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_001033667.1](#), [NP_001028839.1](#)

RefSeq Size: 1424 bp

RefSeq ORF: 582 bp

Locus ID: 4063

UniProt ID: [Q9HBG7](#)

Cytogenetics: 1q23.3

Protein Families: Transmembrane

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 (2) differs in the 3' UTR compared to variant 1. The encoded isoform (b) is significantly shorter and has a distinct C-terminus, compared to isoform a.