

## Product datasheet for **SC126214**

### CD229 (LY9) (BC064485) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD229 (LY9) (BC064485) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD229
Synonyms:	CD229; cell-surface molecule Ly-9; hly9; lymphocyte antigen 9; mLY9; OTTHUMP00000025675; SLAMF3; T-lymphocyte surface antigen Ly-9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC064485 edited

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CATGGTGGCACC AAAGAGTCACACAGATGACTGGGCTCTGGGCCTTTCTCCAGTAAGCC
ACAGAGGAGTCAGCTGCAAATATTCTTCTGTCTACAGACCTCTCCTCTTCTCTGTCT
CATGGGACTAAGAGCCTCTGAAAGGACTCAGCCCAACAGTGGTGTGAGGGATCCTAGG
GGGTTCCGTGACTCTCCCTAAACATCTCAGTAGACACAGAGATTGAGAACGTCATCTG
GATTGGTCCCAAAAATGCTCTTGCTTTTCGCACGTCCCAAGAAAATGTAACCATTATGGT
CAAAAGCTACCTGGGCCGACTAGACATACCAAGTGGAGTTACTCCCTGTGCATCAGCAA
TCTGACTCTGAATGATGCAGGATCCTACAAAGCCAGATAAAACAAAGGAATTTTGAAGT
CACCCTGAGGAGGAATTCACCCTGTTCTGTATGCACCATTTATTGAAAAGTTGTCCGT
CCACGTCATCGAGGGTGACCACCGCACACTCCTGGAGGGCAGCGGCTGGAGTCCATCAT
CAGCACCTGGCTGAGCCACGTGTGAGCGTGCGGGAGGGCTAGGCCCTCGCCCCACCTG
CCTGGAGACCCTCCGCCATCCACCTCACCGCCGCGCAGCAGAGCTGGAAGGGTCC
TGCCGATGGGACCCTGCCAGGCCAGTGCCACTGCCCCCGAGGCTGCTAGACGTGGGCG
TTAGGCGTGTCCACCCACCCGCGCCTCCCATGGCACGTCGGGAACACCGGAGCCGCCA
ACTTGGAGACTCCTGGTCTGTGAAGAGCCGCTGACGCCCGCAGGAACCGGCTGGGCCTT
GTGTGCCAGTGGGGTTGTGCTTGGTCTTTCTCCGCTTGGATTTGCTTATTTATTGCATT
GCTGGTAGAGACTCCCAAGCCTGTCCACCCTGCAAAGACTCCTCGGGCAGCATGCGGGTC
CCGCACACTGCACCCATTTCTGGATGTCCCTGCAGGCGCGGGAGGCCATCCGGGCTG
CTGGCTGCGGCCCCCTCTCAGCCAGGCCCTGGCTCAGCCACTGCGTGGGAGGTACCCGGC
CACTCCCCGAGGAGCTGGGATCCCCGGGATGCAGGCCACAGTGGGGGCTGCACCCATG
ATGCGGAGCTGGCCTCCAACCTGCGGGCCGCGCAGGCACTCAGTGTGTTTGTGAGT
GTTTGTTTTTTCAAGAAATGGTTCAAATTGCTGCTCAGATTTTTTAAATTTACTGTAGCTG
CCAGTGTACAGTGTGGACCCATTTATTTTTACACCAATTTGGTAAAATGCTGCTTT
CCTCAGCCTCCCCACAATTAAGTGCACATGGTCTCTAAAAAAAAAAAAAAAAAAAAA
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC064485 unedited NGTGCAGTTCATTATTTGTATACGACTCACTATAGGCGGCCGACGAATCGGCACGAGGCA TGGTGGCACCAAAGATCACACAGATGACTGGGCTCCTGGGCCTTCTCCAGTAAGCCAC AGAGGAGTCAGCTGCAAATATTCTTTCTGTTCTACAGACCTCTCTCCTTCTCTGCTCA TGGGACTAAGAGCCTCTGGAAAGGACTCAGCCCAACAGTGGTGTGAGGGATCCTAGGGG GTTCCGTGACTCTCCCCCTAAACATCTCAGTAGACACAGAGATTGAGAACGTCATCTGGA TTGGTCCCAAAAATGCTCTTGCTTTCGCACGTCCCAAAGAAAATGTAACCATTATGGTCA AAAGTACCTGGGCCGACTAGACATCACCAAGTGGAGTTACTCCCTGTGCATCAGCAATC TGA CTCTGAATGATGCAGGATCCTACAAAGCCAGATAAAACCAAAGGAATTTTGAAGTCA CCACTGAGGAGGAATTCACCCTGTTTCGTCTATGCACCATTTATTGAAAAGTTGTCCGTCC ACGTCATCGAGGGTGACCACCGCACACTCCTGGAGGGCAGCGGCCTGGAGTCCATCATCA GCACCCTGGCTGAGCCACGTGTGAGCGTGCGGGAGGGCTAGGCCCTCGCCCCACCTGCC ACTGGAGACCGCTCCGCCATCCCCACCTAACCGCCGCGCAGCAAAGCTGGAAGGGTCTG CCGATGGGACCCTGCCAGGCCAGTGCCACTGCCCCCGAGGCTGCTACACTTGGGCGTT AGGCGTGTCCACCCACCGCCCTTCCATGTGCCCTCCGGAACACCGGGAACCGCCAA CTTGGA AAAATCCCTGTCTTGTGAAGAACCGCTTACGCCCCAGGAAACGGGGCTTGGC CTTGTGT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC064485
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC064485.1</a> , <a href="#">AAH64485.1</a>
<b>RefSeq Size:</b>	1375 bp
<b>Locus ID:</b>	4063
<b>Cytogenetics:</b>	1q23.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	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]