

Product datasheet for **RC234636**

CD229 (LY9) (NM_001261456) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD229 (LY9) (NM_001261456) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD229
Synonyms:	CD229; hly9; mLY9; SLAMF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC234636 representing NM_001261456
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

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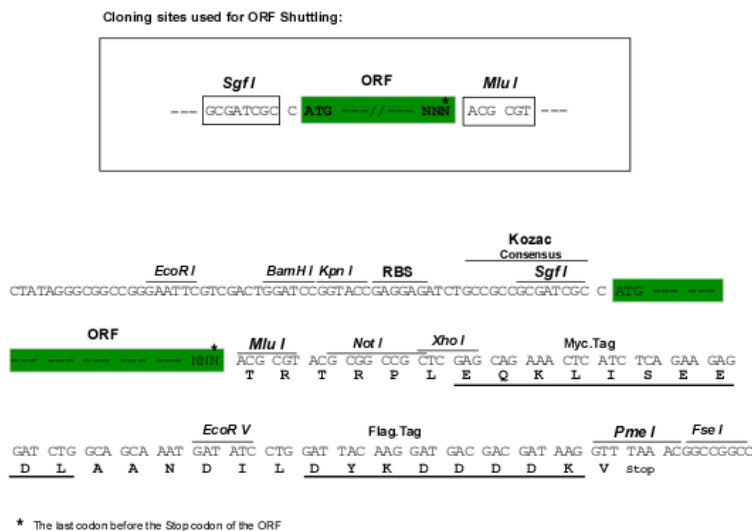
Protein Sequence: >RC234636 representing NM_001261456
Red=Cloning site Green=Tags(s)

MVAPKSHRDDWAPGPFSSKPQRSQLQIFSSVLQTSLLFLLMGLRASGKDSAPTIVSGILGGSVTLPLNIS
 VDTEIENVIWIGPKNALAFARPKENVTIMVKSYLGRDLITKWSYSLCISNLTNDAGSYKAQINQRNFEV
 TTEEEFTLFVYEQLQEPQVTMKSVKVSENFSCNITLMCSVKGAEKSVLYSWTPREPHASESNGGSILTVS
 RTPCDPDLPICTAQNPVSQRSSLPVHVGQFCTDPGASRGGTTGETTVVGVLGEPVTLPLALPACRDTEKV
 VWLFNTSIIISKEREEAATADPLIKSRDPYKNRVWVSSQDCSLKISQLKIEDAGPYHAYVCEASSVTSMT
 HVTLLIYRRLRKPKITWLSLRHSEGDICRISLTCSVEDGGNTVMYTWTPLQKEAVVSQGESHLNVSWRSSE
 NHPNLTCTASNPVSRSSHQFLSENICSGPERNTKLWIGLFLMVCLLCVGFISWCWKRGKRCVPAFCSS
 QAEAPADTPGYEKLDTPLRPARQQPTPTSDSSDSNLTTEEDRPEVHKPISGRYEVFDQVTQEGAGHD
 PAPEGQADYDPVTPYVTEVESVVGENTMYAQVFNLQGKTPVSQKEESSATYCSIRKPQVPPPQNDLE
 IPESPTYENFT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001261456

ORF Size: 1923 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001261456.2](#)

RefSeq Size: 2508 bp

RefSeq ORF: 1926 bp

Locus ID: 4063

UniProt ID: [Q9HBG7](#)

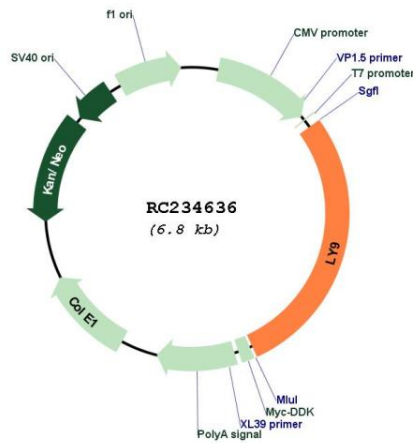
Cytogenetics: 1q23.3

Protein Families: Transmembrane

MW: 71.1 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]

Product images:



Circular map for RC234636