

Product datasheet for MR202725

Cd79b (NM_008339) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd79b (NM_008339) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd79b
Synonyms:	B29; Ig; Ig-be; Ig-beta; Igb; Igbe; Igbeta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202725 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCACTGGTGCTGTCTTCCATGCCCTGCCACTGGCTGTTGTTCTGCTGCTGCTCTTCTCAGGTG
AGCCGGTACCAGCAATGACAAGCAGTGACCTGCCACTGAATTTCCAAGGAAGCCCTTGTCCAGATCTG
GCAGACCCGAGGTTTGCAGCCAAAAGCGGAGCTCCATGGTGAAGTTTCACTGCTACACAAACCACTCA
GGTGCACCTGACCTGGTCCGAAAGCGAGGGAGCCAGCAGCCCCAGGAAGTGGTCTCAGAAGAGGGACGCA
TTGTGCAGACCCAGAATGGCTCTGTCTACACCCTCACTATCCAAAACATCCAGTACGAGGATAATGGTAT
CTACTTCTGCAAGCAGAAATGTGACAGCGCCAACCATAATGTCACCGACAGCTGTGGCACGGAATTCTA
GTCTTAGGATTCAGCACGTTGGACCAACTGAAGCGCGGAACACACTGAAAGATGGCATTATCTTGATCC
AGACCCTCCTCATCATCCTTTCATCATTGTGCCATCTTCTGCTACTTGACAAGGATGACGGCAAGGC
TGGGATGGAGGAAGATCACACCTATGAGGGCTTGAACATTGACCAGACAGCCACCTATGAAGACATAGTG
ACTTTCGACAGGGGAGGTAAGTGGTCGGTAGGAGAGCATCCAGGCCAGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202725 protein sequence
Red=Cloning site Green=Tags(s)

MATLVLSSMPCHWLLFLLLLFSGEPVPAMTSSDLPLNFQGPSQIQWQHPRFAAKKRSSMVKFHCYTNHS
 GALTWFRKRGSSQQPQELVSEEGRIVQTQNGSVYTLTIQNIQYEDNGIYFCKQKCDSANHNVTDSCGTELL
 VLGFTSLDQLKRRNTLKDGIILIQTLIIILFIIIVPIFLLLLDKDDGKAGMEEDHTYEGLNIDQTATYEDIV
 TLRTGEVKWSVGEHPGQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008339

ORF Size: 687 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_008339.3](#)

RefSeq Size: 1232 bp

RefSeq ORF: 687 bp

Locus ID: 15985

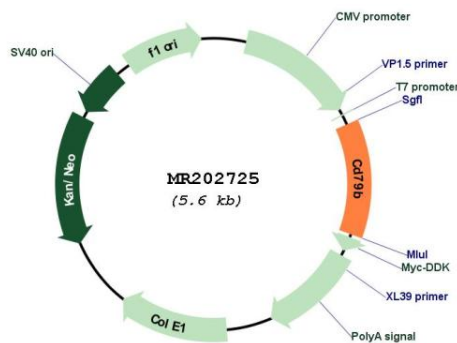
UniProt ID: [P15530](#)

Cytogenetics: 11 68.89 cM

MW: 25.7 kDa

Gene Summary: The B lymphocyte antigen receptor is a multimeric complex that includes the antigen-specific component, surface immunoglobulin (Ig). Surface Ig non-covalently associates with two other proteins, Ig-alpha and Ig-beta, which are necessary for expression and function of the B-cell antigen receptor. This gene encodes the Ig-beta protein of the B-cell antigen component. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Sep 2015]

Product images:



Circular map for MR202725