

## Product datasheet for MR219402

### Cd72 (NM\_001110322) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd72 (NM_001110322) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd72
Synonyms:	CD72c; Ly-19; Ly-32; Ly-m19; Lyb-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219402 representing NM_001110322 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGACGCTATCACGTATGCAGACCTGCGCTTTGTGAAAGTGCCCTGAAGAACAGCGCATCTAACC  
ATCTAGGACAGGACTGTGAGGCCTATGAAGATGGGAACTCACCTACGAGAATGTCAAGTGTCTCCAGT  
CCCAGGAGGGCCACCAGGCTTGGCTTCCCCTGCACTAGCGGACAAAGCAGATCTGCAGGTGTCTCGGCAG  
TTCCAGGAGGGGACCAGGATTTGGGAAGCCACCAATAGCAGCCTGCAGCAGCAGCTCAGGGAGAAGATAA  
GTCAGCTGGGGCAGAAGGAGGTGGAGCTTCAGAAGGCTCGAAAGAGCTGATCTCGAGCCAGGACACATT  
ACAGGAGAAGCAGAGGACTCACGAGGACGCTGAGCAGCAACTACAAGCCTGCCAGGCTGAGAGAGCGAAG  
ACCAAGGAGAACCTGAAAACCTGAGGAGGAGCGGAGGAGGACCTGGACCAGAGGTTGACAAGCACGCGGG  
AGACACTGAGGCGCTTCTCTCTGATTCATCAGACACCTGCTGTCCATGCGGATGGATTCATATCAGGA  
AAGGTGCTTTTACATCTCACATACCCTCGGAAGTCTGGAGGAGAGCCAAAAATACTGCACATCTCTGTCC  
TCCAACTGGCAGCATTTCGATGAACCTTCTAAGTATTACTATGAAGTTTCTGCCCAGCGGCTTAGAGG  
AGTTGCTAGATCGTTCGAAGTCATATTGGATACAGATGAGCAAGAAGTGGAGGCAGGACTCTGACTCTCA  
AAGCCGACATTGTGTCAGGATAAAAACATATTACCAGAAGTGGGAAAGAACAATTTCCAAGTGTGCAGAG  
CTTCACCCCTGCATTTGTGAGTCGGAGGCTTTCAGGTTTCTGATGGGATCAATCTGAAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR219402 representing NM\_001110322  
Red=Cloning site Green=Tags(s)

MADAITYADLRFVKVPLKNSASNHLGQDCEAYEDGELTYENVQVSPVPGPPGLASPALADKADLQVSRQ  
 FQEGTRIWEATNSSLQQQLREKISQLGQKEVELQKARKELISSQDTLQEKQRTHEDEAEQQLQACQAERAK  
 TKENLKTEEERRDLQRLTSTRETLRRFFSDSSDTCCPCGWIPYQERCFYISHTLGSLEESQKYCTSLS  
 SKLAAFDEPSKYVEVSLPSGLEELLDRSKSYWIQMSKKWRQSDSQSRHCVRIKTYYYQKWERTISKCAE  
 LHPCICESEAFRFPDGINLN

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\_001110322

**ORF Size:** 900 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\\_001110322.1](#), [NP\\_001103792.1](#)

**RefSeq Size:** 1320 bp

**RefSeq ORF:** 903 bp

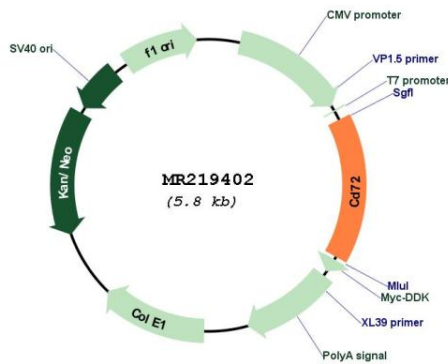
**Locus ID:** 12517

**Cytogenetics:** 4 23.04 cM

**MW:** 35.1 kDa

**Gene Summary:** Plays a role in B-cell proliferation and differentiation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219402