

Product datasheet for MR219399

Cd72 (NM_007654) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd72 (NM_007654) 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:	>MR219399 representing NM_007654 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGACGCTATCACGTATGCAGACCTGCGCTTTGTGAAAGTGCCCTGAAGAACAGCGCATCTAACC
ATCTAGGACAGGACTGTGAGGCCTATGAAGATGGGAACTCACCTACGAGAATGTGCAAGTGTCTCCAGT
CCCAGGAGGGCCACCAGGCTTGGCTTCCCTGCACTAGCGGACAAAGCAGGGTTCGGGTGAGCAACCA
ACTGCGACCTGGAGCTCTGTGAACCTGCTGCTCTCAGGCAGATTCCCCGCTGTCCTACAGTCTGCTTGC
AACTACTTCTGCTTGGCCTTCTCGTGTCTGTCTGATGTTAGGGTGGCTGTCATCTGCCTGGGAGTTTCG
CTATCTGCAGGTGCTCGGCAGTTCAGGAGGGGACCAGGATTTGGGAAGCCACCAATAGCAGCCTGCAG
CAGCAGCTCAGGGAGAAGATAAGTCAGCTGGGGCAGAAGGAGGTGGAGCTTCAGAAGGCTCGGAAAGAGC
TGATCTCGAGCCAGGACACATTACAGGAGAAGCAGAGGACTCACGAGGACGCTGAGCAGCAACTACAAGC
CTGCCAGGCTGAGAGAGCGAAGACCAAGGAGAACCTGAAAACCTGAGGAGGAGCGGAGGAGGGACCTGGAC
CAGAGGTTGACAAGCACGCGGGAGACACTGAGGCGCTTCTTCTGATTTCATCAGACACCTGCTGTCCAT
GCGGATGGATTCCATATCAGGAAAGGTGCTTTTACATCTCACATACCCTCGGAAGTCTGGAGGAGAGCCA
AAAATACTGCACATCTCTGTCTCCAACTGGCAGCATTTCGATGAACCTTCTAAGTATTACTATGAAGTT
TCTCTGCCAGCGGCTTAGAGGAGTTGCTAGATCGTTCGAAGTCATATTGGATACAGATGAGCAAGAAGT
GGAGGCAGGACTCTGACTCTCAAAGCCGACATTGTGTCAGGATAAAAACATATTACCAGAAGTGGGAAAG
AACAATTTCCAAGTGTGCAGAGCTTACCCTGCATTTGTGAGTCGGAGGCTTTCAGTTTCTGATGGG
ATCAATCTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219399 representing NM_007654
Red=Cloning site Green=Tags(s)

MADAITYADLRFVKVPLKNSASNHLGQDCEAYEDGELTYENVQVSPVPGGPPGLASPALADKAGVGSEQP
 TATWSSVNSSALRQIPRCPTVCLQYFLLGLLVSLMLGVAVICLVVRYLQVSRQFQEGTRIWEATNSSLQ
 QQLREKISQLGQKEVELQKARKELISSQDTLQEKQRTHEDEAQQQLQACQAERAKTKENLKTEEERRRDL
 QRLTSTRETLRRFFSDSSDTCCPCGWIPYQERCFYISHTLGSLEESQKYCTSLSSKLAADFDEPSKYYYYEV
 SLPSPGLEELLDRSKSYWIQMSKKWRQSDSQSRHCVRIKTYQKWERTISKCAELHPCICESEAFRFPDG
 INLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9029_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_007654

ORF Size: 1062 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_007654.2](#), [NP_031680.2](#)

RefSeq Size: 1482 bp

RefSeq ORF: 1065 bp

Locus ID: 12517

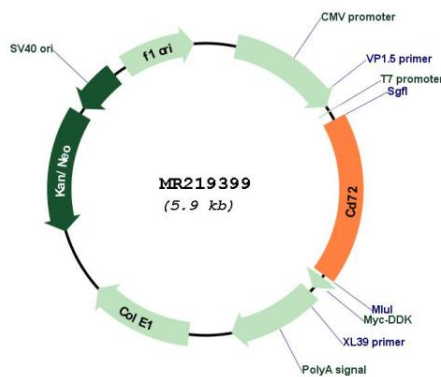
UniProt ID: [P21855](#)

Cytogenetics: 4 23.04 cM

MW: 40.8 kDa

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

Product images:



Circular map for MR219399