

## Product datasheet for **MG219400**

### **Cd72 (NM\_001110320) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd72 (NM_001110320) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd72
Synonyms:	CD72c; Ly-19; Ly-32; Ly-m19; Lyb-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG219400 representing NM_001110320 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGACGCTATCACGTATGCAGACCTGCGCTTTGTGAAAGTGCCCTGAAGAACAGCGCATCTAACC  
ATCTAGGACAGGACTGTGAGGCCTATGAAGATGGGAACTCACCTACGAGAATGTGCAAGTGTCTCCAGT  
CCCAGGAGGGCCACCAGGCTTGGCTTCCCCTGCACTAGCGGACAAAGCAGGGTTCGGGTGAGCAACCA  
ACTGCGACCTGGAGCTCTGTGAACCTGCTGCTCTCAGGCAGATTCCCCGCTGTCCTACAGTCTGCTTGC  
AATACTTCTTGGCTTGGCCTTCTCGTGTCTGTCTGATGTTAGGGTGGCTGTCATCTGCCTGGGAGTTTCG  
CTATCTGCAGGTGCTCGGCAGTTCAGGAGGGGACCAGGATTTGGGAAGCCACCAATAGCAGCCTGCAG  
CAGCAGCTCAGGGAGAAGATAAGTCAGCTGGGGCAGAAGGAGGTGGAGCTTCAGAAGGCTCGGAAAGAGC  
TGATCTCGAGCCAGGACACATTACAGGAGAAGCAGAGGACTCACGAGGACGCTGAGCAGCAACTACAAGC  
CTGCCAGGCTGAGAGAGCGAAGACCAAGGAGAACCTGAAAACCTGAGGAGGAGCGGAGGAGGGACCTGGAC  
CAGAGGTTGACAAGCACGCGGGAGACACTGAGGCGCTTCTTCTGATTTCATCAGACACCTGCTGTCCAT  
GCGGATGGATTCCATATCAGGAAAGGTGCTTTTACATCTCACATACCCTCGGAAGTCTGGAGGAGAGCCA  
AAAATACTGCACATCTCTGTCTCCAACTGGCAGCATTTCGATGAACCTTCTAAGTATTACTATGAATAC  
CTCTCTGACGCCCCCAGGTTTCTGCCCAGCGGCTTAGAGGAGTTGCTAGATCGTTTGAAGTTCATATT  
GGATACAGATGAGCAAGAAGTGGAGGCAGGACTCTGACTCTCAAAGCCGACATTGTGTGAGGATAAAAAAC  
ATATTACCAGAAGTGGGAAAGAACAATTTCCAAGTGTGCAGAGCTTACCCTGCATTTGTGAGTCGGAG  
GCTTTCAGGTTTCTGATGGGATCAATCTGAAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG219400 representing NM\_001110320  
 Red=Cloning site Green=Tags(s)

MADAITYADLRFVKVPLKNSASNHLGQDCEAYEDGELTYENVQVSPVPGGPPGLASPALADKAGVGSEQP  
 TATWSSVNSSALRQIPRCPTVCLQYFLLGLLVSLMLGVAVICLVGRYLQVSRQFQEGTRIWEATNSSLQ  
 QQLREKISQLGQKEVELQKARKELISSQDTLQEKQRTHEAEQQLQACQAERAKTKENLKTEEERRRDL  
 QRLTSTRETLRRFFSDSSDTCCPCGWIPYQERCFYISHTLGSLEESQKYCTSLSSKLAAFDEPSKYYYYE  
 LSDAPQVSLPSGLEELLDRSKSYWIQMSKKWRQSDSDSQRHCVRIKTYQKWERTISKCAELHPCICESE  
 AFRFPDGINLN

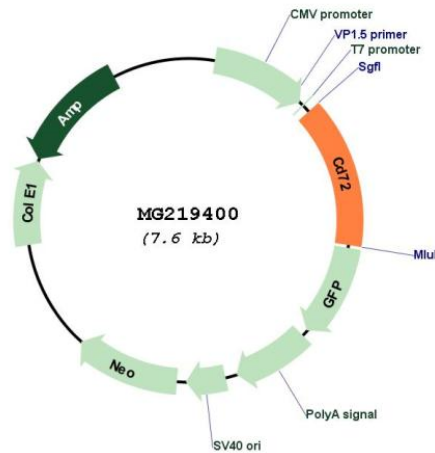
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001110320

<b>ORF Size:</b>	1083 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_001110320.1</a> , <a href="#">NP_001103790.1</a>
<b>RefSeq Size:</b>	1503 bp
<b>RefSeq ORF:</b>	1086 bp
<b>Locus ID:</b>	12517
<b>Cytogenetics:</b>	4 23.04 cM
<b>Gene Summary:</b>	Plays a role in B-cell proliferation and differentiation.[UniProtKB/Swiss-Prot Function]