

Product datasheet for **RG206609**

CD72 (NM_001782) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD72 (NM_001782) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CD72
Synonyms:	CD72b; LYB2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206609 representing NM_001782 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAGGCCATCACCTATGCAGATCTGAGTTTGTGAAGGCTCCCCTGAAGAAGAGCATCTCCAGCC
GGTTAGGACAGGACCCAGGGGCTGATGATGATGGGAAATCACCTACGAGAATGTTCAAGTGCCCGCAGT
CCTAGGGGTGCCCTCAAGCTTGGCTTCTTCTGTACTAGGGGACAAAGCAGCGGTCAAGTCGGAGCAGCCA
ACTGCGTCCTGGAGACCGTGACGTACCAGCTGTCGGGCGGATTCTCCCCTGCCGACAACCTGCCTGC
GATACCTCCTGCTCGGCCTGCTCCTCACCTGCCTGCTGTTAGGAGTGACCGCCATCTGCCTGGGAGTGCG
CTATCTGCAGGTGCTCAGCAGCTCCAGCAGACGAACAGGGTTCTGGAAGTCACTAACAGCAGCCTGAGG
CAGCAGCTCCGCCTCAAGATAACGCAGCTGGGACAGAGTGCAGAGGATCTGCAGGGTCCAGGAGAGAGC
TGGCGCAGAGTCAGGAAGCACTACAGGTGGAACAGAGGGCTCATCAGGCGGCCGAAGGGCAGCTACAGGC
CTGCCAGGCAGACAGACAGAAGACGAAGGAGACCTTGCAAAGTGAGGAGCAACAGAGGAGGGCCTTGAG
CAGAAGCTGAGCAACATGGAGAACAGACTGAAGCCCTTTCACATGCGGCTCAGCAGACACCTGCTGTC
CGTCGGGATGGATAATGCATCAGAAAAGCTGCTTTTACATCTCACTTACTTCAAAAAATTGGCAGGAGAG
CCAAAAACAATGTGAAACTCTGTCTTCCAAGCTGGCCACATTCACTGAAATTTATCCACAATCACACTCT
TACTACTTCTTAAATTCAGTGTGCAAAATGGTGGTTCAGGGAATTCATATTGGACTGGCCTCAGCTCTA
ACAAGGATTGGAAGTTGACTGATGATACACAACGCACTAGGACTTATGCTCAAAGCTCAAAATGTAACAA
GGTACATAAAAATTTGGTCATGGTGGACTGGAGTCAGAGTCATGTAGAAGTTCTCTTCCCTACATCTGT
GAGATGACAGCTTTCAGGTTTCCAGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206609 representing NM_001782
 Red=Cloning site Green=Tags(s)

MAEAITYADLRFVKAPLKKSISSRLGQDPGADDDGEITYENVQVPAVLGVPSSLASSVLGDKAAVKSEQP
 TASWRAVTS PAVGRILPCRTTCLRYLLGLLLTCLLLGVTAICLVRYLQVSQQLQQTNRVLEVTNSSLR
 QQLRLKITQLGQSAEDLQGSRRELAQSQEALQVEQRAHQAAEGQLQACQADRQKTKETLQSEEQRRALE
 QKLSNMENRLKPFFTCGSADTCCPSGWIMHQKSCFYISLTSKNWQESQKQCETLSSKLATFSEIYPQSHS
 YYFLNSLLPNGSGNSYWTGLSSNKDWKLTDDTQRTRYAQSSKCNKVHKTWSWWTLESESCRSSLPIYC
 EMTAFRFPD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001782

ORF Size: 1077 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_001782.3](#)

RefSeq Size: 1531 bp

RefSeq ORF: 1080 bp

Locus ID: 971

UniProt ID: [P21854](#)

Cytogenetics: 9p13.3

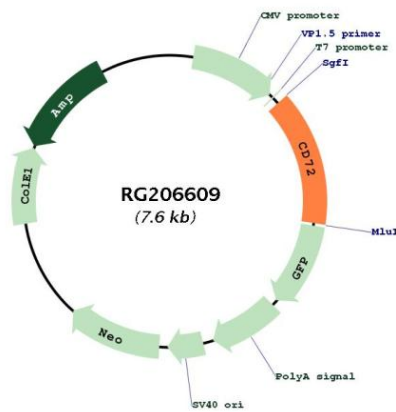
Domains: CLECT

Protein Families: Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

Protein Pathways: B cell receptor signaling pathway

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

Product images:



Circular map for RG206609