CD200 cDNA Clone – CD200 Molecule (Human)

PRODUCT OVERVIEW

Product Name	CD200, cDNA Clone
Full Product Name	CD200 cDNA Clone
Product Gene Name	CD200 cdna clone
Sequence	atggagaggc tggtgatcag gatgcccttc tgtcatctgt ctacctacag cctggtttgg gtcatggcag cagtggtgct gtgcacagca caagtgcaag tggtgaccca ggatgaaaga gagcagctgt acacacctgc ttccttaaaa tgctctctgc aaaatgccca ggaagccctc attgtgacat ggcagaaaaa gaaagctgta agcccagaaa acatggtcac cttcagcgag aaccatgggg tggtgatcca gcctgcctat aaggacaaga taaacattac ccagctggga ctccaaaact caaccatcac cttctggaat atcaccctgg aggatgaagg gtgttacatg tgtctcttca ataccttgg ttttgggaag atctcaggaa cggcctgcct caccgtctat gtacagccca tagtatccct tcactacaaa ttctctgaag accacctaaa tatcacttgc tctgccactg cccgcccagc ccccatggtc ttctggaagg tccctcggtc agggattgaa aatagtacag tgactctgtc tcacccaaat gggaccacgt ctgttaccag catcctccat atcaaagacc ctaagaatca ggtggggaag gaggtgatct gccaggtgct gcacctgggg actgtgaccg actttaagca aaccgtcaac aaaggctatt ggttttcagt tccgctattg ctaagcattg tttccctggt aattcttctc gtcctaatct caatcttact gtactggaaa cgtcaccgga atcaggaccg agagccctaa
Molecular Weight	32,975 Da
OMIM	155970
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for CD200 cdna clone	MBS1273930 is a cDNA clone targeting CD200.
Other Notes	Small volumes of CD200 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD200. It may not necessarily be applicable to this product.

NCBI GI #	18490920
NCBI GeneID	4345
NCBI Accession #	BC022522
UniProt Secondary Accession #	Q6J2Q6; Q6PIQ4; Q8TB85; Q9H3J3; B3KQI1; B4DLW9; D3DN65
UniProt Related Accession #	P41217
NCBI Official Full Name	Homo sapiens CD200 molecule, mRNA
NCBI Official Synonym Full Names	CD200 molecule
NCBI Official Symbol	CD200
NCBI Official Synonym Symbols	MRC; MOX1; MOX2; OX-2
UniProt Protein Name	OX-2 membrane glycoprotein
UniProt Synonym Protein Names	CD_antigen: CD200
Protein Family	OX-2 membrane glycoprotein

UniProt Gene Name	CD200
UniProt Synonym Gene Names	MOX1; MOX2
UniProt Entry Name	OX2G_HUMAN
NCBI Protein Information	OX-2 membrane glycoprotein
NCBI Summary for CD200	This gene encodes a type I membrane glycoprotein containing two extracellular immunoglobulin domains, a transmembrane and a cytoplasmic domain. This gene is expressed by various cell types, including B cells, a subset of T cells, thymocytes, endothelial cells, and neurons. The encoded protein plays an important role in immunosuppression and regulation of anti-tumor activity. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016]
UniProt Comments for CD200	CD200: Costimulates T-cell proliferation. May regulate myeloid cell activity in a variety of tissues. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 3q13.2 Cellular Component: cell-cell adherens junction; integral to plasma membrane; plasma membrane Molecular Function: cell adhesion molecule binding; protein binding; protein homodimerization activity; receptor activity; receptor binding Biological Process: cell recognition; heterophilic cell adhesion; homophilic cell adhesion; regulation of immune response
Research Articles on CD200	**1.** CD200 signaling may play a key role in regulating macrophage polarization toward anti-inflammatory phenotypes
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