

OX-2/MOX1/CD200 recombinant protein

Recombinant Human OX-2/MOX1/CD200 Protein (His Tag)

CATALOG #
AAA174026

HOST
Human Cells

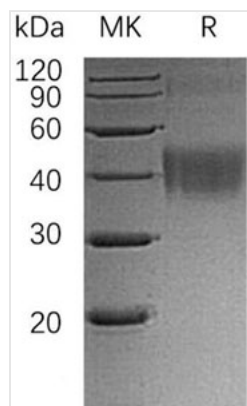
PRODUCT SYNONYMS

OX-2/MOX1/CD200; Recombinant Human OX-2/MOX1/CD200 Protein (His Tag); OX-2 Membrane Glycoprotein; CD200; MOX1; MOX2; OX-2/MOX1/CD200 recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 90 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Sequence Positions	Gln31-Gly232
Sequence Length	294
Species	Human
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Tag	C-6His
Reconstitution	It is recommended that sterile water (40uL) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for OX-2/MOX1/CD200 recombinant protein	CD200 is a transmembrane immunoregulatory protein that belongs to the immunoglobulin superfamily. It contains one Ig like V type domain and one Ig like C2 type domain in its extracellular domain. CD200 is widely but not ubiquitously expressed. Its receptor (CD200R) is restricted primarily to mast cells, basophils, macrophages, and dendritic cells, which suggests myeloid cell regulation as the major function of CD200. CD200 and CD200R associate via their respective N-terminal Ig-like domains. In myeloid cells, CD200R initiates inhibitory signals following receptor-ligand contact. In T cells, CD200 functions as a co-stimulatory molecule independent of the CD28 pathway. In addition, CD200 also plays an important role in prevention of graft rejection, autoimmune diseases and spontaneous abortion.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	90903245
NCBI GeneID	4345
NCBI Accession #	NP_001004196.2
NCBI GenBank Nucleotide #	NM_001004196.3
UniProt Accession #	P41217; Q6J2Q6; Q6PIQ4; Q8TB85; Q9H3J3; B3KQI1; B4DLW9; D3DN65
Molecular Weight	Molecular Mass: 23.5 kDa Actual Protein Molecular Mass: 42 kDa
NCBI Official Full Name	OX-2 membrane glycoprotein isoform b
NCBI Official Synonym Full Names	CD200 molecule
NCBI Official Symbol	CD200
NCBI Official Synonym Symbols	MRC; MOX1; MOX2; OX-2
NCBI Protein Information	OX-2 membrane glycoprotein
UniProt Protein Name	OX-2 membrane glycoprotein
UniProt Gene Name	CD200
UniProt Synonym Gene Names	MOX1; MOX2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.