

Recombinant human CD200 protein

Catalog Number: ATGP3557

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

31-232aa

UniProt No.

P41217

NCBI Accession No.

NP_005935

Alternative Names

OX-2 membrane glycoprotein isoform a, CD200, MOX1, MOX2, MRC, OX-2

PRODUCT SPECIFICATION

Molecular Weight

49.7 kDa (444aa)

Concentration

0.5mg/ml (determined by BCA Assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

hIgG-His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CD200, also known as OX-2 membrane glycoprotein isoform a, is a transmembrane immuno- regulatory protein that belongs to the immunoglobulin superfamily. 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. Elevated expression of this protein has been reported to be associated with poor prognosis in a number

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of human malignancies. In addition, it also plays an important role in prevention of graft rejection, autoimmune diseases and spontaneous abortion. Recombinant human CD200 protein, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

ADPQVQVVTQ DEREQLYTPA SLKCSLQNAQ EALIVTWQKK KAVSPENMVT FSENHGVIQ PAYKDKINIT QLGLQNSTIT
FWNITLEDEG CYMCLFNTFG FGKISGTACL TVYVQPIVSL HYKFSEDHLN ITCSATARPA PMVFWKVPRS GIENSTVTLS
HPNGTTSVTS ILHIKDPKNQ VGKEVICQVL HLGTVTDFKQ TVNKGLEPKS CDKTHTCPPC PAPELLGGPS VLFPPKPKD
TLMISRTPEV TCVVVDVSH E DPEVKFNWYV DGVEVHNAKT KPREEQYNST YRVVSVLTVL HQDWLNGKEY KCKVSNKALP
APIEKTISKA KGQPREPVY TLPPSRDEL T KNQVSLTCLV KGFYPSDIAV EWESNGQPEN NYKTTTPVLD SDGSFFLYSK
LTVDKSRWQQ GNVFSCSMH EALHNHYTQK SLSLSPGKHH HHHH

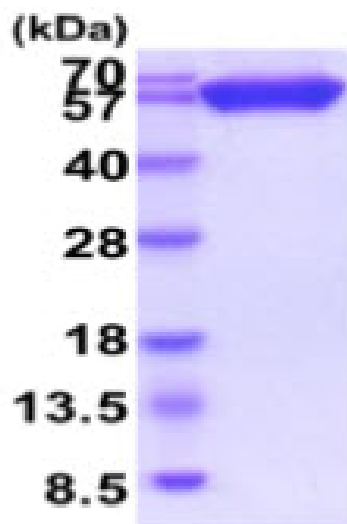
General References

Akkaya M., et al. (2013) PLoS One. 8:e63325.

Li L., et al. (2016) Med Sci Monit. 22:1079-1084.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)