

# Recombinant Mouse CD20/MS4A1 protein (His Tag)

Catalog Number: PDEM100311



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

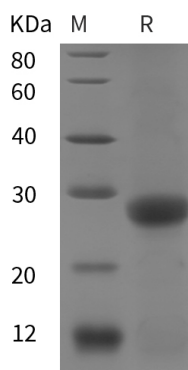
## Description

<b>Species</b>	Mouse
<b>Source</b>	E.coli-derived Mouse CD20 protein Leu133-Pro291, with an N-terminal His
<b>Mol_Mass</b>	17.4 kDa
<b>Accession</b>	P19437
<b>Bio-activity</b>	Not validated for activity

## Properties

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 10 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

CD20 is a 297 amino acid (aa) non-glycosylated type III membrane protein that is the founding member of the MS4A tetraspanin protein family. It is expressed on pre-B, naïve and mature B lymphocytes and B-cell lymphomas. CD20 is associated with lipid rafts upon crosslinking, and appears to play a role in regulation of ion influx. The one extracellular segment of 48 aa shows 65% aa sequence identity between human and mouse CD20.

## For Research Use Only

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