Recombinant Human MS4A1/CD20 Protein

Catalog No.: RP00584LQ

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Sequence Information

Species
Human

Gene ID
931

Swiss Prot
P11836-1

Tags
C-His&Avi

Synonyms
MS4A1; CD20; MS4A-1; B1; Bp35; CD20 receptor; CD20S7; CVID5; LEU-16; Ly-44; MS4A2; S7

Product Information

Source
E. coli

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
16.8 kDa

Observed MW
20-25 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as 0.22 μm filtered solution in 20 mM PB, 10% Glycerol, 0.4 M Urea, 1 mM GSH, 0.1 mM GSSG (pH 7.0).

Reconstitution

Background

B-lymphocyte antigen CD20 or CD20 is an activated-glycosylated phosphoprotein expressed on the surface of all B-cells beginning at the pro-B phase (CD45R , CD117) and progressively increasing in concentration until maturity.CD20 is the target of the monoclonal antibodies rituximab, ocrelizumab, obinutuzumab, ofatumumab, ibritumomab tiuxetan, tositumomab, and ublituximab, which are all active agents in the treatment of all B cell lymphomas, leukemias, and B cell-mediated autoimmune diseases.

Basic Information

Description
Recombinant Human MS4A1/CD20 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ile141-Ser188) of Human MS4A1/CD20 (Accession #P11836-1) fused with a C-His&Avi tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

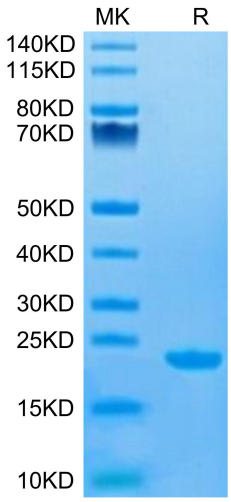
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

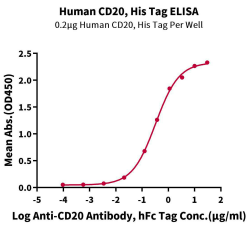
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Validation Data



Recombinant Human MS4A1/CD20 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Human CD20, His Tag at 2 μg/mL (100 μL/well) on the plate. Dose response curve for Anti-CD20 Antibody, hFc Tag with the EC_{50} of 0.33 μg/mL determined by ELISA.