

Recombinant Human CD20 (N-Trx-6His)

Catalog No: CF41

Description	Recombinant Human B-lymphocyte Antigen CD20 is produced by our E.coli expression system and the target gene encoding Ile141-Ser188 is expressed with a Trx-6His tag at the N-terminus.
Source	E. coli
Alternative name	MS4A1; CD20; MS4A-1; B1; Bp35; CVID5; LEU-16; MS4A2; S7
Accession No.	P11836
Predicted Molecular Weight	22kDa
AP Molecular Weight	18-22kDa, reducing conditions.
Formulation	Lyophilized from a 0.2 µm filtered solution of 50mM Tris-HCl, 150mM NaCl, 1mM EDTA, pH 8.0.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Background	CD20 (membrane-spanning 4-domains, subfamily A, member 1), also known as MS4A1, is a member of the membrane-spanning 4A gene family. CD20 is expressed on all stages of B cell development except the first and last; it is present from late pro-B cells through memory cells, but not on either early pro-B cells or plasma blasts and plasma cells. It is found on B-cell lymphomas, hairy cell leukemia, B-cell chronic lymphocytic leukemia, and melanoma cancer stem cells. CD20 / MS4A1 may be involved in the regulation of B-cell activation and proliferation. Defects in CD20 / MS4A1 are the cause of immunodeficiency common variable type 5 (CVID5).

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