

## Human CD20 Recombinant Protein

PX-P3060-10

### DESCRIPTION

CD20 also known as MS4A1 is a part of the membrane-spanning 4A gene family. It is expressed on all steps of B cell development except the first and last one. It is a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. CD20 may be implicated in the regulation of B-cell activation and proliferation. Defects in MS4A1 are the source of immunodeficiency common variable type 5 (CVID5). CVID5 is a primary immunodeficiency represented by antibody insufficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The deficiency results from a breakdown of B-cell differentiation and defective secretion of immunoglobulin, the counts of circulating B-cells is generally in the normal range, but can be low.

### OVERVIEW

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<b>SIZE</b>	10 ug
<b>ORIGIN SPECIES</b>	Human
<b>FRAGMENT</b>	
<b>PROTEIN DELIVERED WITH TAG</b>	Yes
<b>MOLECULAR WEIGHT WITH TAG IF ANY</b>	10.98 kDa
<b>DELIVERY CONDITION</b>	Dry Ice

### PRODUCT INFORMATION

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<b>EXPRESSION SYSTEM</b>	Eukaryotic expression
<b>HOST</b>	mammalian
<b>PURITY</b>	90%
<b>PROTEIN ACCESSION</b>	
<b>FORM</b>	Frozen
<b>BUFFER</b>	PBS,pH 7.5
<b>STABILITY &amp; STORAGE</b>	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

## MORE INFO

### GENE ID

### SWISSPROTID

UNIPROT ID P11836

UNIPROT LINK <http://www.uniprot.org/uniprot/P11836>

### NCBI GENE ALIASES

**SYNONYMS** B-lymphocyte antigen CD20, B-lymphocyte surface antigen B1, Bp35, Leukocyte surface antigen Leu-16, Membrane-spanning 4-domains subfamily A member 1, CD\_antigen: CD20, MS4A1

## PROTEIN SEQUENCE

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MGSHHHHHSGENEWKRTCSRPKSNIVLLSAEEKKEQTIEIKEEVVGLTETSSQPKNEEDIEIPIQEEEEETETNFPPE  
PPQDQESSPIENDSSP

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