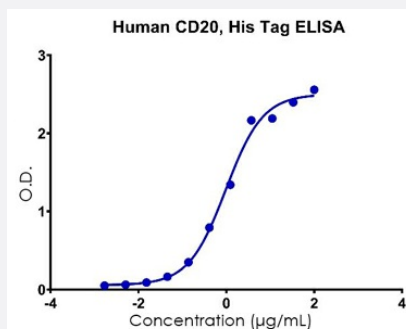
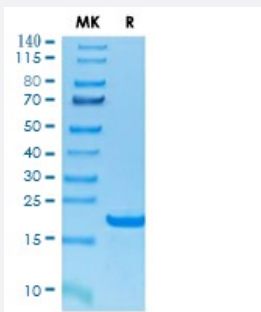


Bioactive

# MS4A1 (Human) Recombinant Protein

Catalog # P7647      Size 100 ug

## Applications



## Result of bioactivity analysis

Result of bioactivity analysis

## Specification

<b>Product Description</b>	Human MS4A1 (P11836, 141 a.a. - 188 a.a.) partial recombinant protein with His-Avi tag at C-terminus expressed in <i>Escherichia coli</i> .
<b>Sequence</b>	IKISHFLKMESLNFIRAHTPYINIYNCEPANPSEKNSPSTQYCYSIQS
<b>Host</b>	Mammals
<b>Theoretical MW (kDa)</b>	16.8
<b>Form</b>	Liquid
<b>Preparation Method</b>	<i>Escherichia coli</i> expression system
<b>Purity</b>	> 95% by SDS-PAGE

Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	Immobilized Human CD20 at 1.0 ug/mL (100 uL/Well), dose response curve for rituximab with the E C <sub>50</sub> of 0.8 ug/mL determined by ELISA.
Quality Control Testing	SDS-PAGE under reducing condition
Storage Buffer	In PB solution, pH 7.0 (10% glycerol)
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis Result of bioactivity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — MS4A1

Entrez GeneID	<a href="#">931</a>
Protein Accession#	<a href="#">P11836</a>
Gene Name	MS4A1
Gene Alias	B1, Bp35, CD20, LEU-16, MGC3969, MS4A2, S7
Gene Description	membrane-spanning 4-domains, subfamily A, member 1
Omim ID	<a href="#">112210</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene encodes a member of the membrane-spanning 4A gene family. Members of this nascent protein family are characterized by common structural features and similar intron/exon splice boundaries and display unique expression patterns among hematopoietic cells and nonlymphoid tissues. This gene encodes a B-lymphocyte surface molecule which plays a role in the development and differentiation of B-cells into plasma cells. This family member is localized to 11q12, among a cluster of family members. Alternative splicing of this gene results in two transcript variants which encode the same protein. [provided by RefSeq]
Other Designations	B-lymphocyte cell-surface antigen B1 CD20 antigen CD20 receptor

## Pathway

- [Hematopoietic cell lineage](#)

## Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Neoplasm Recurrence](#)
- [Ovarian cancer](#)