

## Active Recombinant Human MS4A1 protein, Flag-tagged

**Cat. No.** MS4A1-151H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human B-lymphocyte antigen CD20 is produced by our Mammalian expression system and the target gene encoding Met1-Pro297 is expressed with a Flag tag at the C-terminus. |
| <b>Species</b>          | Human                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                              |
| <b>ProteinLength</b>    | Met1-Pro297                                                                                                                                                                         |
| <b>Form</b>             | Supplied as a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, 0.06% DDM, 0.012% CHS, 10% Glycerol, pH 7.4.                                                                      |
| <b>Bio-activity</b>     | Immobilized Anti-Human CD20 mAb at 2µg/ml (100 µl/well) can bind Human CD20-Flag. The ED50 of Human CD20-Flag is 0.303 µg/ml.                                                       |
| <b>Molecular Mass</b>   | 34.3 Kda                                                                                                                                                                            |
| <b>Endotoxin</b>        | Less than 0.1 ng/g (1 EU/g) as determined by LAL test.                                                                                                                              |
| <b>Purity</b>           | Greater than 70% as determined by reducing SDS-PAGE.                                                                                                                                |
| <b>Storage</b>          | Store at ≤-70°C, stable for 6 months after receipt.<br>Store at ≤-70°C, stable for 3 months under sterile conditions after opening.<br>Please minimize freeze-thaw cycles.          |

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**Reconstitution**

It is recommended to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

**GENE INFORMATION**

|                        |                                                                                                                                                                                                                                               |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MS4A1 membrane-spanning 4-domains, subfamily A, member 1 [ Homo sapiens ]                                                                                                                                                                     |
| <b>Official Symbol</b> | MS4A1                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | MS4A1; membrane-spanning 4-domains, subfamily A, member 1; CD20; B-lymphocyte antigen CD20; B1; Bp35; MS4A2; CD20 antigen; CD20 receptor; leukocyte surface antigen Leu-16; B-lymphocyte cell-surface antigen B1; S7; CVID5; LEU-16; MGC3969; |
| <b>Gene ID</b>         | 931                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>     | NM_021950                                                                                                                                                                                                                                     |
| <b>Protein Refseq</b>  | NP_068769                                                                                                                                                                                                                                     |
| <b>MIM</b>             | 112210                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>      | P11836                                                                                                                                                                                                                                        |

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