

## Active Recombinant Canine MS4A1 protein, His-tagged

**Cat. No.** MS4A1-3048C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Recombinant Canine MS4A1 protein(Met 1-Pro 297), fused with His tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Canine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | Met 1-Pro 297                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | This product is not suitable for cell based experiments due to cytotoxicity of DDM.DDM and CHS are INDISPENSABLE to keep membrane protein soluble and active, under no circumstance should you remove DDM and CHS.DDM/CHS buffer (DC-11) is sold separately and not included in protein, and please contact us if you need the buffer.If glycerol is not compatible to your application, remove glycerol just before immediate experiment, and NEVER store glycerol-free protein solution.Supplied as 0.2 µm filtered solution in 50 mM HEPES, 150 mM NaCl, DDM, CHS, pH7.5 with glycerol as protectant. |
| <b>Bio-activity</b>     | Immobilized Canine CD20 Full Length, His Tag at 5 µg/mL (100 µL/well) can bind Anti-Dog CD20 Antibody, Rabbit IgG with a linear range of 1-78 ng/mL.                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 35.2 kDa. The protein migrates as 40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                                                                                                                                                                                                                                                                                                                      |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Endotoxin</b>      | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                          |
| <b>Purity</b>         | >80% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                     |
| <b>Storage</b>        | For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                                       |

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