

## Active Recombinant Canine VTCN1 protein, His-tagged

**Cat. No.** VTCN1-2913C    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Canine VTCN1 protein(Phe 29-Ala 258), fused with His tag, was expressed in HEK293.                                                                                                                                                                                                                   |
| <b>Species</b>          | Canine                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Phe 29-Ala 258                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                                       |
| <b>Bio-activity</b>     | Immobilized Monoclonal Anti-Human B7-H4 Antibody, Human IgG1 at 2 µg/mL (100 µL/well) can bind Canine B7-H4, His Tag with a linear range of 1-16 ng/mL. Immobilized Canine B7-H4, His Tag at 2 µg/mL (100 µL/well) can bind Monoclonal Anti-Human B7-H4 Antibody, Human IgG1 with a linear range of 0.1-8 ng/mL. |
| <b>Molecular Mass</b>   | This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 27.2 kDa. The protein migrates as 44-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.                                                                                                         |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >90% as determined by SDS-PAGE. >95% as determined by SEC-MALS.                                                                                                                                                                                                                                                  |

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|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                                                                       |

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