

Active Recombinant Canine VTCN1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Canine VTCN1 protein(Phe 29-Ala 258), fused with His tag, was expressed in HEK293.
Species	Canine
Source	HEK293
ProteinLength	Phe 29-Ala 258
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	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.
Molecular Mass	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.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE. >95% as determined by SEC-MALS.

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Storage	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.
Reconstitution	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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