

Active Recombinant Rat VTCN1 protein, His-tagged

Cat. No. VTCN1-6550R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat VTCN1 protein(Phe 29 - Gly 257), fused with His tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Phe 29 - Gly 257
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Rat 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 27.1 kDa. The protein migrates as 45-60 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.
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

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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.

GENE INFORMATION

Gene Name [Vtcn1 V-set domain containing T cell activation inhibitor 1 \[Rattus norvegicus \]](#)

Official Symbol [VTCN1](#)

Synonyms VTCN1; V-set domain containing T cell activation inhibitor 1; V-set domain-containing T-cell activation inhibitor 1; immune costimulatory protein B7-H4; RGD1311204;

Gene ID [295322](#)

mRNA Refseq [NM_001024244](#)

Protein Refseq [NP_001019415](#)

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