

Recombinant Human TIM-3/HAVCR2/CD366 Protein

Catalog No.: RP00069

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	84868	Q8TDQ0

Tags

C-His

Synonyms

HAVCR2;CD366;HAVcr-2;KIM-3;TIM3;TIMD-3;TIMD3;Tim-3; CD366; KIM-3; SPTCL; TIMD3; Tim-3; TIMD-3; HAVcr-2

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The protein belongs to the immunoglobulin superfamily, and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas, Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and promotes immunological tolerance.

Basic Information

Description

Recombinant Human TIM-3/HAVCR2/CD366 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Ser22-Arg200) of human TIM-3 (Accession #NP_116171.3) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Galectin9 at 2 μg/mL can bind recombinant human HAVCR2 with a linear range of 0.3-5 μg/mL.

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

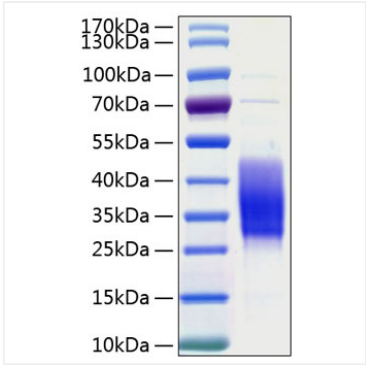
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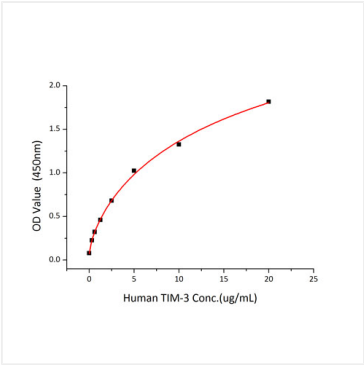
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Validation Data



Recombinant Human TIM-3/HAVCR2/CD366 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 42-47 kDa.



Immobilized Recombinant Human Galectin9 at 2 $\mu\text{g/mL}$ can bind recombinant human HAVCR2 with a linear range of 0.3-5 $\mu\text{g/mL}$.