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Recombinant Mouse TIM-3/HAVCR2 Protein

Catalog No.: RP00679 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	171285	Q8VIM0

Tags
C-6×His

Synonyms
Tim; TIM-; Tim3; Timd; TIM-3; Timd3;HAVCR2

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

T cell immunoglobulin and mucin domain-3 (TIM3), also called hepatitis A virus cellular receptor 2 (HAVCR2), isa transmembrane glycoprotein of the TIM family of immune regulating molecules and plays an important rolein the Th1-mediated immune response. TIM3 is expressed on the Th1 cells, CD8 T-cells, monocytes, anddendritic cells, but not on Th2 cells. TIM3 expressed by monocytes and dendritic cells facilitates phagocytosisof apoptotic cells and up-regulates cross-presentation of apoptotic cell-associated antigens through interactionwith phosphatidylserine. Engagement of TIM3 by its ligand galectin-9 induces a range of immunosuppressivefunctions which enhance immune tolerance and inhibit anti-tumor immunity. Stimulation of TIM3 with anagonistic antibody promotes inflammation through the activation of innate immune cells. TIM3 is alsoregarded as a potential target molecule for immunotherapy. TIM3 and programmed cell death 1 (PD-1) as twoimportant coinhibitory regulators of T cell responses, have been implicated with the T-cell dysfunction orexhaustion associated with chronic HBV infection including HBV-related HCC.

Basic Information

Description
Recombinant Mouse TIM-3/HAVCR2 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Leu22-Ala193) of mouse TIM-3/HAVCR2 (Accession #Q8VIM0) fused with a 6×His tag at the C-terminus.

Bio-Activity

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.

Contact

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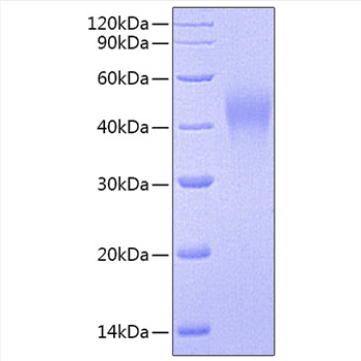
Validation Data



Recombinant Mouse TIM-3/HAVCR2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.