

Datasheet for ABIN7320773

TIM3 Protein (AA 20-191) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	TIM3 (TIM 3)
Protein Characteristics:	AA 20-191
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TIM3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse TIM-3/HAVCR2 Protein (aa 20-191, His Tag)
Sequence:	Arg20-Arg191
Characteristics:	Recombinant Mouse TIM-3 is produced by our Mammalian expression system and the target gene encoding Arg20-Arg191 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TIM3 (TIM 3)
Alternative Name:	TIM-3/HAVCR2 (TIM 3 Products)
Target Type:	Virus

Target Details

Background:	<p>Background: T cell immunoglobulin and mucin domain-3 (TIM3), also called hepatitis A virus cellular receptor 2 (HAVCR2), is a transmembrane glycoprotein of the TIM family of immune regulating molecules and plays an important role in the Th1-mediated immune response. TIM3 is expressed on the Th1 cells, CD8 T-cells, monocytes, and dendritic cells, but not on Th2 cells. TIM3 expressed by monocytes and dendritic cells facilitates phagocytosis of apoptotic cells and up-regulates cross-presentation of apoptotic cell-associated antigens through interaction with phosphatidylserine. Engagement of TIM3 by its ligand galectin-9 induces a range of immunosuppressive functions which enhance immune tolerance and inhibit anti-tumor immunity. Stimulation of TIM3 with an agonistic antibody promotes inflammation through the activation of innate immune cells. TIM3 is also regarded as a potential target molecule for immunotherapy. TIM3 and programmed cell death 1 (PD-1) as two important coinhibitory regulators of T cell responses, have been implicated with the T-cell dysfunction or exhaustion associated with chronic HBV infection including HBV-related HCC.</p> <p>Synonym: Hepatitis A virus cellular receptor 2 homolog,HAVcr-2,T-cell immunoglobulin and mucin domain-containing protein 3,T-cell immunoglobulin mucin receptor 3,T-cell membrane protein 3,Tim3, Timd3</p>
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Molecular Weight:	20.2 kDa
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UniProt:	Q8VIM0
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Pathways:	Regulation of Lipid Metabolism by PPARalpha , Cancer Immune Checkpoints
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Application Details

Restrictions:	For Research Use only
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Handling

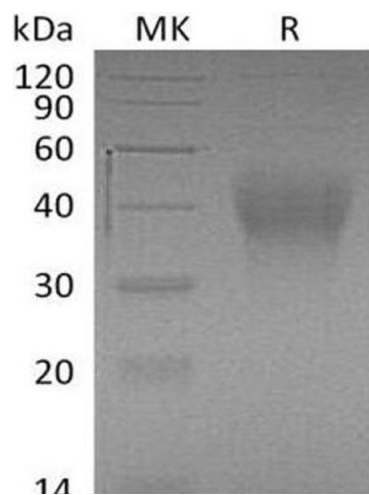
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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Storage:	4 °C,-20 °C,-80 °C
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Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
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Western Blotting

Image 1.