Recombinant Human TIM-3/HAVCR2 Protein (His Tag)

Catalog No. PKSH033509

Note: Centrifuge before opening to ensure complete recovery of vial contents.

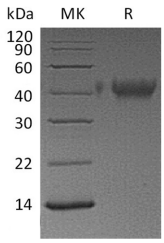
Description

Synonyms	Hepatitis A Virus Cellular Receptor 2;HAVcr-2;T-Cell Immunoglobulin and Mucin Domain-Containing Protein 3;TIMD-3;T-Cell Membrane Protein 3;TIM-3;HAVCR2;TIM3;TIMD3
Species	Human
Expression Host	HEK293 Cells
Sequence	Ser22-Arg200
Accession	AAL65157.1
Calculated Molecular Weight	20.9 kDa
Observed molecular weight	37 kDa
Tag	C-His
Bioactivity	Immobilized Anti-Human TIM-3 mAb at 2μg/ml (100 μl/well) can bind Human TIM-3-His. The ED50 of Recombinant Human TIM-3-His is 8.51ng/ml.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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Background

T-Cell Membrane Protein 3 (TIM3) is a single-pass type I membrane protein that belongs to the TIM family of immunoglobulin superfamily. TIM3 includes a signal sequence (aa 1-21); an extracellular region (aa 22-202) with one Ig-like V-type domain; a transmembrane segment (aa 203-223); and a cytoplasmic domain (aa 224 - 301). TIM3 regulates macrophage activation; inhibits T-helper type 1 lymphocyte (Th1)-mediated auto- and alloimmune responses and promotes immunological tolerance. It may be also involved in T-cell homing and as a receptor for LGALS9.

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