

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

**Catalog Number:** PKSH033509

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

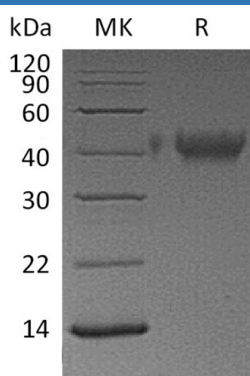
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human TIM-3/HAVCR2 protein Ser22-Arg200, with an C-terminal His
<b>Calculated MW</b>	20.9 kDa
<b>Observed MW</b>	37 kDa
<b>Accession</b>	AAL65157.1
<b>Bio-activity</b>	Immobilized Anti-Human TIM-3 mAb at 2µg/ml (100 µl/well) can bind Human TIM-3-His. The ED <sub>50</sub> of Recombinant Human TIM-3-His is 8.51ng/ml.

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	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.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### 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.

### For Research Use Only