



# Recombinant Protein Technical Manual

## Recombinant Mouse TIM1/HAVCR1 Protein (His Tag)

RPES1651

### Product Data:

**Product SKU:** RPES1651

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q5QNS5

### Protein Information:

**Molecular Mass:** 21.8 kDa

**AP Molecular Mass:** 35-50 kDa

**Tag:** C-His

**Bio-activity:**

**Purity:** > 95% as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C 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 PBS, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Hepatitis A virus cellular receptor 1 homolog; HAVcr; Kidney injury molecule 1; KIM; T cell membrane protein 1; TIM;Timd1;AI503787

## Immunogen Information:

**Sequence:** Tyr22-Thr212

## Background:

TIM/KIM/HAVCR belongs to the immunoglobulin superfamily that consists 305 amino acid (aa). It is expressed by stimulated T-cells. TIM/KIM/HAVCR may play a role in T-helper cell development and the regulation of asthma and allergic diseases. Receptor for TIMD4. And may have a role in kidney injury and repair. Belongs to the T-cell and airway phenotype regulator (Tapr) locus, a single chromosomal region that confers reduced T-helper type 2 responsiveness and protects against airway hyperactivity (AHR), the hallmark of human asthma.