Recombinant Protein Technical Manual

Recombinant Human TIM1/HAVCR1 Protein

RPES4055

Product Data:

Product SKU: RPES4055

Size: 50µg

Species: Human

Expression host: HEK293 Cells

Uniprot: AAC39862.1

Protein Information:

Molecular Mass: 30 kDa

AP Molecular Mass: 9010 kDa

Tag:

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

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

Storage: 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℃ 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 sterile 50mM Tris, 100mM NaCl, pH 8.0

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

Application:

Synonyms: CD365;HACVR;HAVCR;HAVCR;KIM;KIM1;TIM;TIM;TIM1;TIMD;TIMD1

Immunogen Information:

Sequence: Ser 21-Gly 290

Background:

HAV cellular receptor 1 (HAVCR1), also known as Kidney injury molecule 1 (KIM) and T cell immunoglobulinmucin 1 (TIM), is a type â… integral membrane glycoprotein. KIM protein is widely expressed with highest levels in kidney and testis. It has been shown to play a major role as a human susceptibility gene for asthma, allergy and autoimmunity. IgA1lambda is a specific ligand of KIM protein and that their association has a synergistic effect in virus-receptor interactions. KIM involves in the pathogenesis of acute kidney injury. It had been confirmed that KIM is a human urinary renal dysfunction biomarker. Moreover, KIM protein is a novel regulatory molecule of flow-induced calcium signaling.