

TIM-1/KIM-1/HAVCR1 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Hepatitis A virus cellular receptor 1 homolog;HAVcr-1;T cell membrane protein 1;TIM-1;KIM-1;Kidney injury molecule 1
Protein Construction:	Tyr22-Thr212
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q5QNS5
Molecular Weight:	35-50 KDa (reducing condition)
AA Sequence:	Tyr22-Thr212

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

TIM-1/KIM-1/HAVCR belongs to the immunoglobulin superfamily that consists 305 amino acid (aa). It is expressed by stimulated T-cells. TIM-1/KIM-1/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.

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