

TIM-1/KIM-1/HAVCR Protein, Rat (HEK293, His-Fc)

Cat. No.:	HY-P73601
Synonyms:	Hepatitis A virus cellular receptor 1; HAVcr-1; KIM-1; TIM-1; CD365; HAVCR1
Species:	Rat
Source:	HEK293
Accession:	O54947 (S18-V238)
Gene ID:	286934
Molecular Weight:	90-100 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	TIM-1/KIM-1/HAVCR Protein serves as a phosphatidylserine receptor with a crucial functional role in the homeostasis of regulatory B-cells, influencing their generation, expansion, and suppressor functions. Additionally, as a ligand for P-selectin/SELPLG, it assumes a specialized role in the trafficking of activated T-cells during inflammatory responses, particularly controlling T-cell accumulation in the inflamed central nervous system and influencing the induction of autoimmune disease. TIM-1/KIM-1/HAVCR also regulates the expression of various anti-inflammatory cytokines and co-inhibitory ligands, including IL10, acting as a modulator of T-cell proliferation. Furthermore, it may play a role in kidney injury and repair. Interactions with STAM and SELPLG contribute to the multifaceted regulatory functions of TIM-1/KIM-1/HAVCR Protein.
------------	--

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA