

TIM-1/KIM-1/HAVCR Protein, Mouse (HEK293, C-His)

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| Cat. No.: | HY-P71365 |
| Synonyms: | Hepatitis A virus cellular receptor 1 homolog; HAVcr-1; Kidney injury molecule 1; KIM-1; T cell membrane protein 1; TIM-1 |
| Species: | Mouse |
| Source: | HEK293 |
| Accession: | Q5QNS5 (Y22-T212) |
| Gene ID: | 171283 |
| Molecular Weight: | 35-50 kDa |

PROPERTIES

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| AA Sequence | Y V E V K G V V G H P V T L P C T Y S T Y R G I T T T C W G R G Q C P S S A C Q N T L I W T N G H R V T Y Q K S S R Y N L K G H I S E G D V S L T I E N S V E S D S G L Y C C R V E I P G W F N D Q K V T F S L Q V K P E I P T R P P T R P T T T R P T A T G R P T T I S T R S T H V P T S I R V S T S T P P T S T H T W T H K P E P T T F C P H E T T A E V T G I P S H T P T D W N G T V T |
| Appearance | Lyophilized powder. |
| Formulation | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. |
| 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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose). |
| 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

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| Background | TIM-1/KIM-1/HAVCR Protein is a phosphatidylserine receptor that plays a crucial role in regulating B-cell homeostasis, including their generation, expansion, and suppressor functions. It functions as a P-selectin/SELPLG ligand, facilitating the trafficking of activated T-cells during inflammatory responses. This protein is involved in controlling T-cell accumulation in the inflamed central nervous system (CNS) and the development of autoimmune diseases. It also regulates the expression of several anti-inflammatory cytokines and co-inhibitory ligands, such as IL10. Additionally, TIM-1/KIM-1/HAVCR Protein acts as a regulator of T-cell proliferation and may have a role in kidney injury and repair. It interacts with STAM and SELPLG. |
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Caution: Product has not been fully validated for medical applications. For research use only.

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