
Product Data Sheet

Product Name: HAVCR1 Human
 Cat. No.: GP25323
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Hepatitis A Virus Cellular Receptor 1; T-Cell Immunoglobulin Mucin Family Member 1; T-Cell Immunoglobulin Mucin Receptor 1; T-Cell Membrane Protein 1; Kidney Injury Molecule 1; HAVCR-1; TIMD-1; HAVCR; KIM-1; TIM-1; TIMD1; TIM1; KIM1; TIM; T-Cell Immunoglobulin And Mucin Domain-Containing Protein 1; T Cell Immunoglobulin Domain And Mucin Domain Protein 1; HAVCR1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSSVKVGGE AGPSVTLPCH YSGAVTSMCW NRGSCSLFTC QNGIVWTNGT HVTYRKDTRY KLLGDLSRRD VSLTIENTAV SDSGVYCCRV EHRGWFNMDK ITVSLEIVPP KVTTPPIVTT VPTVTTVVRTS TTVPTTTTVP MTTVPTTTVP TTMSIPTTTT VLTTMTVSTT TSVPTTTSIP TTTSPVTTT VSTFVPPMPL PRQNHPEVAT SPSSPQPAET HPTTLQGAIR REPTSSPLYS YTTDGNDDVT ESSDGLWNNN QTQLFLEHSL LTANTTKG		
Formulation	The HAVCR1 solution (1mg/ml) contains 20mM Tris-HCl (pH 8.0) and 10% glycerol.		

Introduction

Hepatitis A virus cellular receptor 1 (HAVCR1) is a membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. HAVCR1 is a type I trans-membrane structural glycoprotein located in the renal proximal tubule epithelial cells. HAVCR1 protein may be involved in the control of asthma and allergic diseases. The reference genome represents an allele which retains a MTTVP amino acid segment that presents defense against atopy in HHAV seropositive individuals.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

HAVCR1 Human Recombinant produced in E. coli is a single polypeptide chain containing 298 amino acids (21-295aa) and having a molecular mass of 31.9kDa. HAVCR1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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