

# Product Information

## MemDX™ Membrane Protein Human HAVCR2 (Hepatitis A virus cellular receptor 2) for Antibody Discovery

Cat. No.: **MP0503X**

This product is for research use only and is not intended for diagnostic use.

This product is a 41.36 kDa Human HAVCR2 membrane protein expressed in *in vitro* wheat germ expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

HAVCR2

#### Protein Length

Full-length

#### Molecular Weight

41.36 kDa

#### TMD

1

#### Sequence

MFSLHPFDCVLLLLLLLLLRSSEVEYRAEVGQNAYLPCFYTPAAPGNLVPVCWGKGACPVFECGNVVLRTDERDVNYWTSRYWLN

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

HAVCR2

**Full Name**

Hepatitis A virus cellular receptor 2

**Introduction**

The protein encoded by this gene belongs to the immunoglobulin superfamily, and TIM family of proteins. CD4-positive T helper lymphocytes can be divided into types 1 (Th1) and 2 (Th2) on the basis of their cytokine secretion patterns. Th1 cells are involved in cell-mediated immunity to intracellular pathogens and delayed-type hypersensitivity reactions, whereas, Th2 cells are involved in the control of extracellular helminthic infections and the promotion of atopic and allergic diseases. This protein is a Th1-specific cell surface protein that regulates macrophage activation, and inhibits Th1-mediated auto- and alloimmune responses, and promotes immunological tolerance

**Alternative Names**

TIM3; CD366; KIM-3; SPTCL; TIMD3; Tim-3; TIMD-3; HAVcr-2

**Gene ID**

[84868](#)

**UniProt ID**

[Q8TDQ0](#)