

## Product datasheet for **TP762197**

### **TIM 3 (HAVCR2) (NM\_032782) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human hepatitis A virus cellular receptor 2 (HAVCR2), Ser22-Gly202, with N-terminal His tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region(Ser22-Gly202) of HAVCR2
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	20.0 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, pH 8.0, 8 M urea
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_116171</a>
<b>Locus ID:</b>	84868
<b>UniProt ID:</b>	<a href="#">Q8TDQ0</a>
<b>RefSeq Size:</b>	2448
<b>Cytogenetics:</b>	5q33.3
<b>RefSeq ORF:</b>	903
<b>Synonyms:</b>	CD366; HAVcr-2; KIM-3; SPTCL; Tim-3; TIM3; TIMD-3; TIMD3



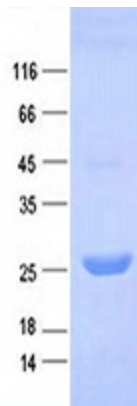
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**Summary:**

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. [provided by RefSeq, Sep 2011]

**Protein Families:**

Druggable Genome, Transmembrane

**Product images:**

Purified recombinant protein HAVCR2 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.