

# Tim-1, Human Recombinant

<b>CATALOG NO:</b>	P1351-10 P1351-50	10 µg 50 µg
<b>ALTERNATE NAMES:</b>	TIM1; KIM1; TIMD1; Hepatitis A Virus Cellular Receptor 1; HAVcr-1; T Cell Immunoglobulin and Mucin Domain-containing Protein 1; T Cell Membrane Protein 1	
<b>SOURCE:</b>	CHO cells	
<b>PURITY:</b>	≥ 98% by SDS – PAGE	
<b>SEQUENCE:</b>	The extracellular domain of human Tim-1 (aa 21-295) is fused to the N-terminus of the Fc region of human IgG1.	
<b>ENDOTOXIN LEVEL:</b>	<0.06 EU/µg protein by LAL method	
<b>FORM:</b>	Lyophilized	
<b>FORMULATION:</b>	Lyophilized from 0.2 µm-filtered solution in PBS	
<b>STORAGE CONDITIONS:</b>	For short term store at +4°C (1-2 weeks). For long term storage, aliquot and store at -20°C. Avoid repeated freezing and thawing cycles.	
<b>RECONSTITUTION:</b>	Reconstitute with 100 µl sterile water. Add 1X PBS to the desired protein concentration.	
<b>DESCRIPTION:</b>	<p>The TIM (T cell/transmembrane, immunoglobulin and mucin) family plays a critical role in regulating immune responses, including allergy, asthma, transplant tolerance, autoimmunity and the response to viral infections. The unique structure of TIM immunoglobulin variable region domains allows highly specific recognition of phosphatidylserine (PtdSer), exposed on the surface of apoptotic cells. TIM-1 (T cell-immunoglobulinmucin; also KIM-1 and HAVcr-1) is a 100 kDa, type I transmembrane glycoprotein member of the TIM family of immunoglobulin superfamily molecules. There are two cytoplasmic alternate splice forms of TIM1. One is a long (359 aa) kidney form termed TIM-1b, and one is a short (334 aa) liver form termed TIM-1a. TIM-1, important for asthma and allergy, is preferentially expressed on T-helper 2 (Th2) cells and functions as a potent costimulatory molecule for T cell activation.</p>	
<b>BIOLOGICAL ACTIVITY:</b>	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated human T cells	

## RELATED PRODUCT:

- Human CellExp™ HAVCR1 / KIM1 / TIM1, human recombinant (**Cat. No. 7494**)
- TIM-4, human recombinant (**Cat. No. P1108**)
- Tim-1, Human Recombinant (**Cat. No. P1352**)
- Human CellExp™ Tim-1, Fc Tag, Human Recombinant (**Cat. No. P1353**)
- Tim-1, Mouse Recombinant (**Cat. No. P1354**)
- Human CellExp™ Tim-2, Fc Tag, Mouse Recombinant (**Cat. No. P1355**)
- Tim-2, Mouse Recombinant (**Cat. No. P1356**)
- Tim-3, Human Recombinant (**Cat. No. P1357**)
- Tim-3, Human Recombinant, (Fc-Tag Mouse) (**Cat. No. P1358**)
- Human CellExp™ Tim-3, Mouse Recombinant (**Cat. No. P1359**)
- Human CellExp™ Tim-3, (Fc-Tag Mouse), Mouse Recombinant (**Cat. No. P1360**)
- Human CellExp™ Tim-4, (Fc-Tag), Human Recombinant (**Cat. No. P1361**)
- Human CellExp™ Tim-4, (Fc-Tag), Mouse Recombinant (**Cat. No. P1362**)
- Tim-4, Mouse Recombinant (**Cat. No. P1363**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**