

Active Recombinant Human HAVCR2 Protein, Fc-Tagged

Cat. No. HAVCR2-01H Lot. No. (See product label)

SPECIFICATION

Product Overview	Mouse myeloma cell line, NS0-derived Recombinant Human HAVCR2 Protein, Fc-Tagged
Species	Human
Source	NS0
Description	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.
Form	Lyophilized
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human Galectin-9 at 500 ng/mL can bind Recombinant Human TIM-3 Fc Chimera with an apparent Kd <30 nM.
Molecular Mass	46.4 kDa (monomer)

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N-terminal Sequence Analysis	Ser22
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE visualized with Silver Staining and quantitative densitometry by Coomassie® Blue Staining.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution in PBS.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	HAVCR2 hepatitis A virus cellular receptor 2 [Homo sapiens (human)]
Official Symbol	HAVCR2
Synonyms	CD366; FLJ14428; HAVCR2; HAVcr-2; hepatitis A virus cellular receptor 2; kidney injury molecule-3; KIM-3; SPTCL; T cell immunoglobulin mucin 3; T cell immunoglobulin mucin-3; T-cell immunoglobulin and mucin domain-containing protein 3; TIM 3; TIM3 T-cell membrane protein 3; TIM3; TIM-3; TIMD3; TIMD-3; TIMD3KIM-3

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Gene ID	84868
mRNA Refseq	NM_032782.5
Protein Refseq	NP_116171.3
MIM	606652
UniProt ID	Q8TDQ0

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