

## Datasheet for ABIN7321001

**HVEM Protein (Fc Tag)**

## 1 Image

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## Overview

Quantity:	50 µg
Target:	HVEM (TNFRSF14)
Origin:	Rhesus Monkey
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HVEM protein is labelled with Fc Tag.

## Product Details

Purpose:	Recombinant Rhesus macaque HVEM/TNFRSF14/CD270 Protein (Fc Tag)
Sequence:	Pro37-Val203
Characteristics:	Recombinant Rhesus macaque HVEM is produced by our Mammalian expression system and the target gene encoding Pro37-Val203 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	HVEM (TNFRSF14)
Alternative Name:	HVEM/TNFRSF14/CD270 ( <a href="#">TNFRSF14 Products</a> )
Background:	Background: Herpesvirus entry mediator (HVEM) is a type I membrane protein in the TNF receptor superfamily, and it can both promote and inhibit T cell activity. HVEM is highly expressed on na?ve CD4+ T cells, CD8+ T memory cells, regulatory T cells, dendritic cells,

## Target Details

monocytes, and neutrophils. It functions as a receptor for BTLA, CD160, LIGHT/TNFSF14, and Lymphotoxin-alpha. Ligation of HVEM by LIGHT triggers T cell, monocyte, and neutrophil activation and contributes to Th1 inflammation and cardiac allograft rejection. In contrast, HVEM binding to CD160 or BTLA suppresses T cell and dendritic cell activation and dampens intestinal inflammation. HVEM enhances the development of CD8+ T cell memory and Treg function. It is additionally expressed on intestinal epithelial cells, where its binding by intraepithelial lymphocyte (IEL) expressed CD160 promotes epithelial integrity and host defense. The herpesvirus envelope glycoprotein gD, which binds HVEM to initiate membrane fusion, can antagonize both BTLA and LIGHT binding.

Synonym: Tumor Necrosis Factor Receptor Superfamily Member 14, Herpes Virus Entry Mediator A, Herpesvirus Entry Mediator A, HveA, Tumor Necrosis Factor Receptor-Like 2, TR2, CD270, TNFRSF14, HVEA, HVEM

Molecular Weight: 44.7 kDa

NCBI Accession: [XP\\_005545061](#)

Pathways: [Production of Molecular Mediator of Immune Response](#), [Cancer Immune Checkpoints](#)

## Application Details

Comment: 60 kDa

Restrictions: For Research Use only

## Handling

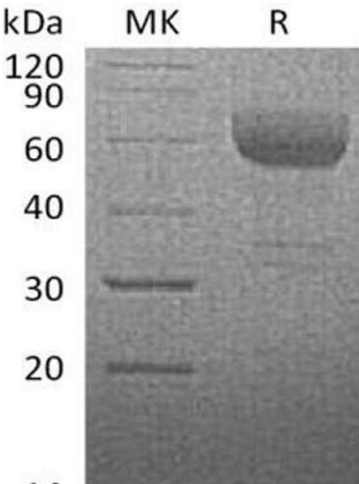
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.