

## Recombinant Mouse HVEM/TNFRSF14 Protein (Fc Tag)

**Catalog No.** PKSM040955

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

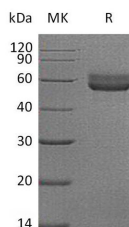
### Description

<b>Synonyms</b>	Tnfrsf14;Herpesvirus entry mediator;HVEM;TR2;TNF receptor-like molecule;ATAR;another TRAF-associated receptor;Tumor necrosis factor receptor superfamily member 14;Atar;HveA
<b>Species</b>	Mouse
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln39-Val207
<b>Accession</b>	Q80WM9
<b>Calculated Molecular Weight</b>	455 kDa
<b>Observed molecular weight</b>	50-60 kDa
<b>Tag</b>	C-Fc
<b>Bioactivity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

#### For Research Use Only

Mouse Protein Tnfrsf14, is a type I transmembrane protein belonging to the TNF receptor superfamily. It is tumor necrosis factor receptor superfamily member 14 and expressed on the surface of T cells during the resting state. Interaction of HVEM with TNF family member LIGHT co-stimulates T cells and promotes inflammation. HVEM also triggers inhibitory signaling cascade in effector T (Teff) cells and regulatory T cells (Tregs) as a ligand of B and T lymphocyte attenuator. Tnfrsf14 is detected in peripheral blood T cells, B cells, monocytes and in various tissues enriched in lymphoid cells. It has demonstrated that HVEM Ig is able to exert a significant antiviral effect against HSV-1 infection in vivo.