

## 32-20638: Recombinant Human HVEM-Fc(Discontinued)

**Reactivity :** Mouse  
**Alternative Name :** HVEM, TNFSFR14, ATAR, TR2

### Description

#### Source: Hi-5 Insect cells

HVEM belongs to the TNF Receptor superfamily of transmembrane proteins, and plays a role in the activation of T-cells and other lymphocytes. It is expressed in various cells and tissues, including spleen, thymus, lung, macrophages, and T-cells. HVEM activation induces a signaling cascade that results in the induction of transcription factors NF- $\kappa$ B and AP-1. LIGHT (TNFSF14) and TNF-Beta (TNFSF1) function as the ligands for HVEM, which can also bind specifically to herpes simplex virus glycoprotein D. Soluble HVEM can act as a "receptor decoy" resulting in inhibition of the activity of the HVEM ligands, LIGHT and TNF-Beta. Recombinant human HVEM-Fc Chimera is a 376 amino acid fusion protein that contains an N-terminal domain corresponding to the extracellular region of HVEM, and a C-terminal domain corresponding to residues 102 to 330 of human IgG1. The calculated molecular weight of Recombinant Human HVEM-Fc is 41.4 kDa.

### Product Info

**Amount :** 20  $\mu$ g / 100  $\mu$ g

**Purification :** Purity:  $\geq$  98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** LPSCKEDEYP VGSECCPKCS PGYRVKEACG ELTGTVCEPC PPGTYIAHLN GLSKCLQCQM CDPAMGLRAS  
RNCSTRNAV CGCSPGHFCI VQGDHCAAC RAYATSSPGQ RVQKGGTESQ DTLCQNCPPG  
TFSPNGTLEE CQHQTKRSCD KHTCPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP  
EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VSVLTVLHQ DWLNGKEYKC KVSNKALPAP IEKTISKAKG  
QPREPQYYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPLVLDSD GSFFLYSKLT  
VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGK

### Application Note

Determined by its ability to neutralize 0.25 ng/ml of hTNFBeta induced cytotoxicity on murine L929 cells. The expected  $ED_{50}$  for this effect is 1.3-1.9  $\mu$ g/ml of HVEM-Fc.