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Recombinant Human sHVEM/Fc Chimera

Description: 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 which results in induction of transcription factors NF-kappaB 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 containing 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.

Source:	Insect cells
Purity:	> 98%, by SDS-PAGE and HPLC analysis
Endotoxin level:	< 0.1 ng per µg sHVEM/Fc
Stabilizer:	none
Formulation:	lyophilized

Biological Activity: Determined by its ability to neutralize 0.25 ng/ml of hTNFβ induced cytotoxicity on murine L929 cells. The expected **ED**₅₀ for this effect is 1.3-1.9 µg/ml of HVEM-Fc.

Stability: The lyophilized protein is stable for at least 2 years from date of receipt at -20°C. Reconstituted HVEM-Fc is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C.

Avoid repeated freeze-thaw cycles!

Usage: Human sHVEM/Fc is offered for research use. Not for drug use. **Not for human use!**

Catalogue number: SFC-040

Size: 100 µg