

Recombinant Human Herpesvirus Entry Mediator A Fc Chimera/TNFRSF14 (Human HVEM-Fc/TNFRSF14)

Product Information

Product Name	Cat#	Size
Recombinant Human Herpesvirus Entry Mediator A Fc	90615ES60	100µg
Chimera/TNFRSF14 (Human HVEM-Fc/TNFRSF14)	90615ES76	500µg

Product 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 that results in the induction of transcription factors NF-κB and AP-1. LIGHT (TNFSF14) and TNF-β (TNFSF1) function as the ligands for HVEM, which can also bind specifically to herpes simplex virus glycoprotein D. Soluble HVEM, which tends to form disulfide-linked heterodimeric complexes in solution, can act as a “receptor decoy” resulting in inhibition of the activity of the HVEM ligands, LIGHT and TNF-β. 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.

Product Properties

Synonyms	Q92956
Accession	8764
GeneID	Pichia. Pastoris.
Source	E.coli-derived Human HVEM-Fc/TNFRSF14 protein,Leu39-Val202.
Molecular Weight	Approximately 58 kDa
AA Sequence	LPSCKEDEYP VGSECCPKCS PGYRVKEACG ELTGTVCEPC PPGTYIAHLN GLSKCLQCQM CDPAMGLRAS RNCSTENAV CGCSPGHFCI VQGDHCAAC RAYATSSPGQ RVQKGGTESQ DTLCQNCPPG TFSPNGTLEE CQHQTCSWL VTKAGAGTSS SHWVEPKSSD KTHTCPPCPA PEFEGAPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPTP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSG GSFFLYSKLT VDKSRRVQQGN VFSCSVMHEA LHNHYTQKSL SLSPGK
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biologically active as determined by its ability to inhibit TNF-beta -mediated cytotoxicity using murine L929 cells.
Endotoxin	< 0.1 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH7.4, with 3 % Trehalose.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C.
Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.
Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.