

HVEM-Fc active protein

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CATALOG # AAA14394	HOST (BTI-Tn-5B1-4) Hi-5 Insect Cells
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PRODUCT SYNONYMS

HVEM-Fc; HVEM-Fc protein; HVEM protein; TR2 protein; TNFSFR14 protein; ATAR protein; HVEM-Fc active protein

PRODUCT SPECIFICATIONS

Host	(BTI-Tn-5B1-4) Hi-5 Insect Cells
Purity/Purification	>= 98% by SDS-PAGE and HPLC
Form/Format	Lyophilized powder from 1x PBS, pH 7.2. Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex.
Concentration	100ug Lyophilized (varies by lot)
Sequence	RegionofHV EMprotein corresponds to amino acid sequence: DEYPVGSECC PKCSPGYRVK EACGELTGTV CEPCPPGTIYI AHLNGLSKCL QCQMCDPAMG LRASRNCST ENAVCGCSPG HFCIVQGDGH CAACRAYATS SPGQVRQKGG TESQDTLCQN CPPGTFSNG TLEECQHQT RSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNA KTKPREEQYNSTYRVVSVLT VLNQDWNLGK EYKCKVSNKA LPAPIEKTIKAKGQPREPQ VYTLPPSRDE LTKNQVSLTCLVKGFYPSDIAVEWESNGQP ENNYKTTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSV MHEALHNHYT QKSLSLSPGK .Conjugate toFc.
Species	Human
Biohazard	Use appropriate laboratory precautions when handling this material.
Grade	Recombinant
Bioactivity	Determined by its ability to neutralize 0.25 ng/ml of hTNFbeta induced cytotoxicity on Mouse L929 cells. The expected ED50 for this effect is 1.3-1.9 ug/ml of HVEM-Fc.
Contaminants	Endotoxin: <0.1ng/ug(<1EU/ug)
Preparation and Storage	Ships ambient or refrigerated; after receipt store at 4°C for short term, -20°C for long term.

ADDITIONAL INFORMATION

Related Product Information for HVEM-Fc active protein	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.
Product Categories/Family for HVEM-Fc active protein	Cytokines & Growth Factors

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.