

HVEM-Fc Human Recombinant

Item Number	rAP-0787
Synonyms	Tumor Necrosis Factor Receptor Superfamily Member 14, HVEM, TR2, Herpes Virus Entry Mediator A, Tumor Necrosis Factor Receptor-Like 2, Herpesvirus Entry Mediator, HVEA, ATAR, CD270, LIGHTR, CD40-Like Protein, Tumor Necrosis Factor Receptor-Like Gene2.
Description	TNFRSF14 Human Recombinant produced in Pichia Pastoris is a single, glycosylated, polypeptide chain containing 396 amino acids and having a molecular mass of 58.0kDa. However, TNFRSF14 migrates with an apparent molecular mass of 70 kDa in SDS-PAGE under reducing conditions.
Uniprot Accession Number	O43557
Amino Acid Sequence	LPSCKEDEYP VGSECCPKCS PGYRVKEACG ELTGTVCEPC PPGTYIAHLN GLSKCLQCQM CDPAMGLRAS RNCSTRNAV CGCSPGHFCI VQDGDHCAAC RAYATSSPGQ RVQKGGTESQ DTLCQNCPPG TFSPNGTLEE CQHQTCKSWL VTKAGAGTSS SHWVEPKSSD KTHTCPPCPA PEFEGA- PSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPTP IEKTISKAKG QPREPQVYTL PPSRDELTKN
Source	Pichia Pastoris.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized TNFRSF14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNFRSF14 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	TNFRSF14 protein was lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH7.4, with 3 % Trehalose. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized TNFRSF14 in sterile 18M ² -cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**