9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

TNFRSF14 Human

HVEM-Fc Human Recombinant
CYK0583

Product Overview

Name	TNFRSF14 Human
Description	
HVEM-Fc Human Recombinant	
Accession (Primary)	O43557
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.	
Introduction	
TNFRSF14, a member of the TNF receptor superfamily, is a type I transmembrane protein. TNFRSF14 is expressed in peripheral blood T cells, B cells, monocytes and in various tissues enriched in lymphoid cells. TNFRSF14 operates as a co-stimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. Additionally, TNFRSF14 encourages the proliferation of T cells, and triggers apoptosis of various tumor cells.	
Source	
Pichia Pastoris.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
TNFRSF14 protein was lyophilized from a 0.2 μm filtered concentrated solution in PBS, pH7.4, with 3 % Trehalose.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
LPSCKEDEYP VGSECCPKCS PGYRVKEACG ELTGTVCEPC PPGTYIAHLN GLSKCLQCQM CDPAMGLRAS RNCSRTENAV CGCSPGHFCI VQDGDHCAAC RAYATSSPGQ RVQKGGTESQ DTLCQNCPPG TFSPNGTLEE	

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CQHQTKCSWL VTKAGAGTSS SHWVEPKSSD KTHTCPPCPA PEFEGAPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNKALPTP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTPPVLDSD GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGK

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.

Solubility

It is recommended to reconstitute the lyophilized TNFRSF14 in sterile 18MΩ-cm H2O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

TNFRSF14 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O43557)