Product Data Sheet

Product Name:	TNFRSF14 Human, Sf9
Cat. No.:	GP21011
Batch No.:	1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Tumor necrosis factor receptor superfamily member 14 isoform 1; TNFRSF14; ATAR; CD270; HVEA; HVEM; LIGHTR; TR2; HVEM-Fc; Sf9; Tumor necrosis factor receptor superfamily member 14; Herpes virus entry mediator A; Herpesvirus entry mediator A; HveA.		
Amino Acid Sequence	ADPLPSCKED EYPVGSECCP KCSPGYRVKE ACGELTGTVC EPCPPGTYIA HLNGLSKCLQ CQMCDPAMGL RASRNCSRTE NAVCGCSPGH FCIVQDGDHC AACRAYATSS PGQRVQKGGT ESQDTLCQNC PPGTFSPNGT LEECQHQTKC SWLVTKAGAG TSSSHWVLEP KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK HHHHHH.		
Formulation	TNFRSF14 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Background

TNFRSF14 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 406 amino acids (39-202) and having a molecular mass of 46.6kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).TNFRSF14 is fused to a 239 amino acid IgG His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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