

TNFSF14 Human

LIGHT Human Recombinant
CYK0599

Product Overview

Name TNFSF14 Human

Description

LIGHT Human Recombinant

Accession (Primary) [O43557](#)

Synonyms

Tumor necrosis factor ligand superfamily member 14, CD258, Tnfsf14, Light.

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

Escherichia Coli.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

TNFSF14 protein was lyophilized from a 0.2 µm filtered concentrated solution in PBS pH7.4.

Stability

Lyophilized TNFSF14 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution TNFSF14 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 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Amino acid sequence

DGGKGSWEKL IQDQRSHQAN PAAHLTGANA SLIGIGGPLL WETRLGLAFL RGLTYHDGAL VTMEPGYYYY
YSKVQLSGVG CPQQLANGLP ITHGLYKRTS RYPKELELLV SRRSPCGRAN SSRVWWDSSF LGGVVHLEAG
EEVVVRVPGN RLVPRPDGTR SYFGAFMV.

Biological Activity

The ED 50 as determined by a cytotoxicity assay using human HT-29 cells is less than 2 µg/ml, corresponding to a specific activity of > 500 IU/mg in the presence of murine anti-polyHistidine monoclonal antibody and rHuIFN- g .

Solubility

It is recommended to reconstitute the lyophilized TNFSF14 in sterile 100mM HAc not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

TNFSF14 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([O43557](#))