

Datasheet for ABIN7597357

## TNFSF14 Protein (AA 99-330) (Fc Tag)



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### Overview

Quantity:	10 µg
Target:	TNFSF14
Protein Characteristics:	AA 99-330
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFSF14 protein is labelled with Fc Tag.

### Product Details

Purpose:	Recombinant Cynomolgus LIGHT protein with N-terminal human Fc tag
Sequence:	hFc(Glu99-Ala330) LIGHT(Asp74-Val240)
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

### Target Details

Target:	TNFSF14
Alternative Name:	LIGHT ( <a href="#">TNFSF14 Products</a> )
Background:	<p>LTg, CD258, HVEM, TNFSF14</p> <p>The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and which is also known as a herpesvirus entry mediator (HVEM). This protein</p>

## Target Details

may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Molecular Weight: predicted molecular mass of 44.5 kDa after removal of the signal peptide. The apparent molecular mass of hFc-cLIGHT is 35-55 kDa due to glycosylation.

UniProt: [E9NVF7](#)

Pathways: [Cancer Immune Checkpoints](#)

## Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).  
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months