

# Human LIGHT/TNFSF14 Trimer Protein

Cat. No. LGT-HM132

## Description

<b>Source</b>	Recombinant Human LIGHT/TNFSF14 Trimer Protein is expressed from HEK293 with His tag and Flag tag at the N-Terminus. It contains Ser89-Val240 Trimer.
<b>Accession</b>	O43557-1
<b>Molecular Weight</b>	The protein has a predicted MW of 52.4 kDa. Due to glycosylation, the protein migrates to 53-140 kDa under Non reducing (N) condition based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1 EU per µg by the LAL method.
<b>Purity</b>	>90% as determined by Bis-Tris PAGE >95% as determined by HPLC

## Formulation and Storage

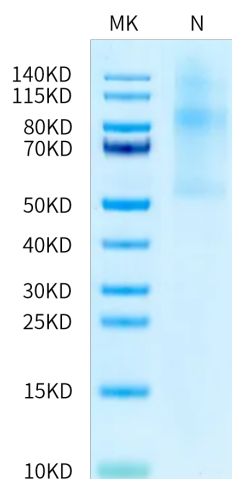
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

LIGHT, also known as tumor necrosis factor superfamily member 14 (TNFSF14), is a secreted protein of the TNF superfamily. It is recognized by herpesvirus entry mediator (HVEM), as well as decoy receptor 3. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells.

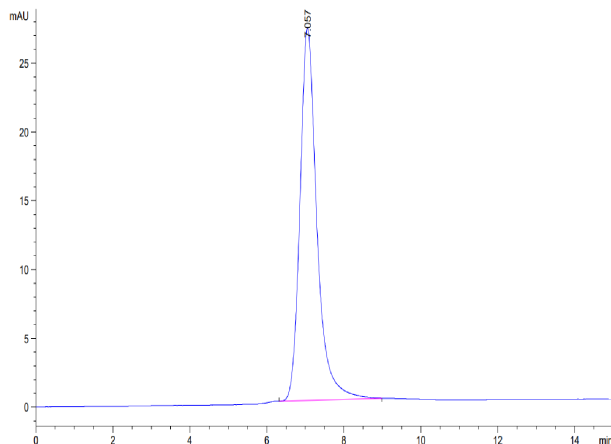
## Assay Data

### Bis-Tris PAGE



Human LIGHT Trimer on Bis-Tris PAGE under Non reducing (N) condition. The purity is greater than 90%.

### SEC-HPLC



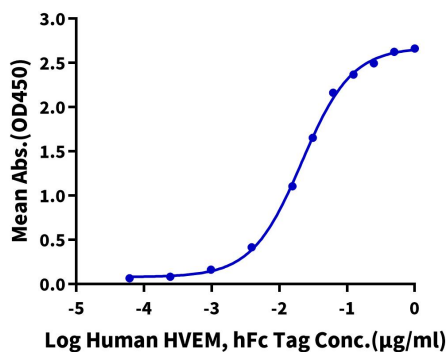
The purity of Human LIGHT Trimer is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

**Human LIGHT Trimer, His tag ELISA**

0.5µg Human LIGHT Trimer, His tag Per Well



Immobilized Human LIGHT Trimer, His tag at 5µg/ml (100 µl/well) on the plate. Dose response curve for Human HVEM, hFc Tag with the EC50 of 21.5ng/ml determined by ELISA (QC Test).