

## Product datasheet

# Recombinant human LIGHT/TNFSF14 protein ab82123

### Description

<b>Product name</b>	Recombinant human LIGHT/TNFSF14 protein	
<b>Biological activity</b>	Determined by its ability to induce IL-8 secretion in human BEAS-2B cells.	
<b>Purity</b>	<p>&gt; 95 % SDS-PAGE.</p> <p>Purity is greater than 95% by SDS-PAGE gel and HPLC analyses. Endotoxin level is less than 0.1 ng per µg (1EU/µg).</p>	
<b>Expression system</b>	Insect cells	
<b>Protein length</b>	Protein fragment	
<b>Animal free</b>	No	
<b>Nature</b>	Recombinant	
<b>Species</b>	Human	
<b>Sequence</b>	<pre> RLGEMVTRLP DGPAGSWEQL IQERRSHEVN PAAHLTGANS SLTGSGGPLL WETQLGLAFL RGLSYHDGAL VVTKAGYYYI YSKVQLGGVG CPLGLASTIT HGLYKRTPRY PEELELLVSQ QSPCGRATSS SRVWWDSSFL GGVVHLEAGE KVVVRVLDER LVRLRDGTRS YFGAFMV           </pre>	
<b>Amino acids</b>	64 to 240	

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab82123** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Lyophilised
<b>Additional notes</b>	This product was previously labelled as LIGHT

### Preparation and Storage

<b>Stability and Storage</b>	<p>Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.</p> <p>pH: 7.0</p>
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Constituent: 0.33% Sodium phosphate

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## Reconstitution

Reconstituted LIGHT is stable for at least 3 months when stored in working aliquots with a carrier protein at -20°C. Avoid repeated freeze/thaw cycles.

## General Info

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### Function

Cytokine that binds to TNFRSF3/LTBR. Binding to the decoy receptor TNFRSF6B modulates its effects. Activates NFκB, stimulates the proliferation of T-cells, and inhibits growth of the adenocarcinoma HT-29. Acts as a receptor for Herpes simplex virus.

### Tissue specificity

Predominantly expressed in the spleen but also found in the brain. Weakly expressed in peripheral lymphoid tissues and in heart, placenta, liver, lung, appendix, and kidney, and no expression seen in fetal tissues, endocrine glands, or nonhematopoietic tumor lines.

### Sequence similarities

Belongs to the tumor necrosis factor family.

### Post-translational modifications

N-glycosylated.

The soluble form of isoform 1 derives from the membrane form by proteolytic processing.

### Cellular localization

Cytoplasm; Secreted and Cell membrane.

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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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