

## Product datasheet

# Recombinant Human Lambda Light chain protein ab158750

1 Image

### Description

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<b>Product name</b>	Recombinant Human Lambda Light chain protein
<b>Expression system</b>	Wheat germ
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>MAWTPLLLPLLTFCVSEASYDLTQPPSVSVSPGQTARIT            CSGDALPRKY            AFWYQQKSGQAPVLVIYEDSKRPSGIPERFSGSSSGTMA            TLTISGAQVED            EGDYYCYSTDISGYPVFGGGTKVTVLGQPKAAPSVTLFPP            SSEELQANKA            TLVCLISDFYPGAVTVAWKADSSPVKAGVETTTPSKQSN            KYAASSYLSL            TPEQWRSHKSYSCQVTHEGSTVEKTVAPTECS</p>
<b>Amino acids</b>	1 to 232
<b>Tags</b>	GST tag N-Terminus

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab158750** 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>	Western blot
	ELISA
<b>Form</b>	Liquid
<b>Additional notes</b>	

### Preparation and Storage

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## Stability and Storage

Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 8.00

Constituents: 0.31% Glutathione, 0.79% Tris HCl

## General Info

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### Relevance

All five immunoglobulin classes share the same basic four polypeptide chain structure of two heavy-chains and two light chains. There are five heavy chain types, and two light-chain types (Kappa and Lambda) both having a molecular weight of 22.5kDa. Any heavy-chain type can associate with either light-chain type, but on any immunoglobulin molecule both light-chains are of the same type. Kappa and Lambda consist of a variable region and a constant region and can easily be differentiated by the antigenic properties of the constant region. The ratio of Kappa to Lambda is 70:30, the vast majority of which is bound to heavy-chain in immunoglobulin. In normal individuals low levels of free light-chain are present in serum (kappa, 1.6-15.2 mg/L; Lambda, 0.4-4.2mg/L), with the occurrence of multiple myeloma or other B-cell malignancies these levels can be greatly elevated and can be found at high levels in the urine (Bence-Jones proteins).

### Cellular localization

Cytoplasmic

## Images

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SDS-PAGE - Recombinant Human Lambda Light chain protein (ab158750)

ab158750 on a 12.5% SDS-PAGE stained with Coomassie Blue.

**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
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