

## Product datasheet

# Recombinant Human LACRT protein ab151849

### Description

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<b>Product name</b>	Recombinant Human LACRT protein
<b>Purity</b>	> 95 % SDS-PAGE. Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
<b>Endotoxin level</b>	< 1.000 Eu/μg
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<u><a href="#">Q9GZZ8</a></u>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	EDASSDSTGADPAQEAGTSKPNEEISGPAEPASPPETTT TAQETSAAAVQ GTAKVTSSRQELNPLKSIVEKSILLTEQALAKAGKGMHGG VPGGKQFIEN GSEFAQKLLKKFSLLKPWA
<b>Predicted molecular weight</b>	12 kDa
<b>Amino acids</b>	19 to 138
<b>Tags</b>	His tag N-Terminus

### Specifications

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Our **Abpromise guarantee** covers the use of **ab151849** 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>	HPLC SDS-PAGE
<b>Form</b>	Lyophilized

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at -80°C. pH: 7.40 Constituents: 99% Phosphate Buffer, 0.88% Sodium chloride
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## Reconstitution

Lyophilized from a 0.2 µM filtered solution. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in 1X PBS. It is not recommended to reconstitute to a concentration less than 100 µg/ml.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

## General Info

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### Relevance

Human Lacritin is highly expressed in the lacrimal gland, localizes primarily to secretory granules and secretory fluid. Lacritin modulates lacrimal acinar cell secretion, promotes ductal cell proliferation, and stimulates signaling through tyrosine phosphorylation and release of calcium.

### Cellular localization

Secreted

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

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- Replacement or refund for products not performing as stated on the datasheet
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