

## Product datasheet

# Recombinant human LAR protein ab42585

### Description

<b>Product name</b>	Recombinant human LAR protein
<b>Biological activity</b>	Specific Activity: 0.7 U/μg. One unit will hydrolyze 1 nmol p-nitrophenyl phosphate per minute at pH 7.4 and 30°C. Assay buffer: 50 mM HEPES, pH 7.4, 2 mM EDTA, 3mM DTT, 100 mM NaCl, 50 mM pNPP.
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Amino acids</b>	1330 to 1620
<b>Tags</b>	GST tag N-Terminus

### Specifications

Our [Abpromise guarantee](#) covers the use of **ab42585** 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>	Inhibition Assay
<b>Form</b>	Liquid

### Preparation and Storage

<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.307% Glutathione, 0.0154% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 0.0584% EDTA, 50% Glycerol (glycerin, glycerine), 0.435% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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### General Info

<b>Function</b>	Possible cell adhesion receptor. It possesses an intrinsic protein tyrosine phosphatase activity (PTPase). The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one.
<b>Sequence similarities</b>	Belongs to the protein-tyrosine phosphatase family. Receptor class 2A subfamily. Contains 8 fibronectin type-III domains. Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 2 tyrosine-protein phosphatase domains.
<b>Cellular localization</b>	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
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
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