

Product datasheet

Recombinant human LAR protein ab42585

Overview

Product name	Recombinant human LAR protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Species	Human
Amino acids	1330 to 1620
Tags	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.

Biological activity	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.
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Applications	Inhibition Assay
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Purity	> 95 % SDS-PAGE.
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Form	Liquid
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Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Preservative: None Constituents: 50% Glycerol, 0.05% Tween 20, 75mM Sodium chloride, 25mM Tris HCl, 2mM EDTA, 10mM Glutathione, 1mM DTT, pH 8.0 This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	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.
Sequence similarities	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.
Cellular localization	Membrane.

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