

Product datasheet

Recombinant human LOK protein (Active) ab268729

2 Images

Description

<b>Product name</b>	Recombinant human LOK protein (Active)
<b>Biological activity</b>	The specific activity of ab268729 was 1.0 nmol/min/mg in a kinase assay using myelin basic protein as substrate.
<b>Purity</b>	> 85 % SDS-PAGE.
<b>Expression system</b>	Baculovirus infected Sf9 cells
<b>Accession</b>	<a href="#">O94804</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	

MAFANFRRILRLSTFEKRKSREYEHVRRDLDPNEVWEIVG  
 ELGDGAFGKV  
 YKAKNKETGALAAAKVIETKSEEELEDYVEIEILATCDHPYI  
 VKLLGAY  
 YHDGKLWIMIEFCPGGAVDAIMLELDRLTEPQIQVVCRC  
 MLEALNFLHS  
 KRIRHRDLKAGNVLMTLEGDRLADFGVSAKNLKTQKRDS  
 FIGTPYWMA  
 PEVVMCETMKDTPYDYKADIWSLGITLIEMAQIEPPHHELN  
 PMRVLLKIA  
 KSDPPTLLTPSKWSVEFRDFLKIALDKNPETRPSAAQLLE  
 HPFVSSITSN  
 KALRELVAEAKAEVMEEIEDGRDEGEEEDAVIDAASTLEN  
 HTQNSSEVSPP  
 SLNADKPLEESPSTPLAPSQSQDSVNEPCSQPSGDRSL  
 QTTSPVAVAPGN  
 ENGLAVPVPLRKS RPVSM DARIQVAQE KQVAEQGGDLS  
 PAANRSQKASQS  
 RPNSSALETLGGEKLANGSLEPPAQAAPGPSKRDSDCS  
 SLCTSESMDYGT  
 NLSTDLSLNKEMGSLSIKDPKLYKKT LKRTRKFVVDGVEV  
 SITTSKIISE  
 DEKKDEEMRFLRRQELRELRL LQKEEHRNQTQLSNKHEL

QLEQMHKRFEQ  
EINAKKKFFDTELENLERQQKQQVEKMEQDHAVRRREEA  
RRIRLEQDRDY  
TRFQEQLKLMKKEVKNEVEKLPQRQRKESMKQKMEEHT  
QKKQLLDRDFVA  
KQKEDLELAMKRLTTDNRREICDKERECLMKKQELLRDR  
EAALWEMEEHQ  
LQERHQLVKQQLKDQYFLQRHELLRKHEKEREQMQRYNQ  
RMIEQLKVRQQ  
QEKARLPKIQRSEGKTRMAMYKSLHINGGSAEQREKI  
KQFSQQEEKR  
QKSERLQQQKHNQMRDMLAQCESNMSELQQLQNEK  
CHLLVEHETQKLK  
ALDESHNQLKEWRDKLRPRKKALEEDLNQKKREQEMF  
FKLSEEAECPNP STPSKAAKFFPYSSADAS

<b>Molecular weight information</b>	138 kDa by SDS-PAGE
<b>Amino acids</b>	1 to 968
<b>Tags</b>	GST tag N-Terminus
<b>Additional sequence information</b>	NM_005990

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab268729** 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>	Functional Studies SDS-PAGE
<b>Form</b>	Liquid

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.50 Constituents: 0.79% Tris HCl, 0.87% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine) This product is an active protein and may elicit a biological response in vivo, handle with caution.
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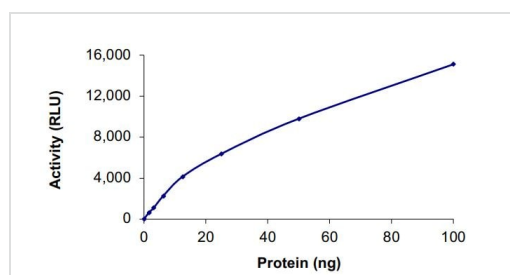
## General Info

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<b>Function</b>	Can act on substrates such as myelin basic protein and histone 2A on serine and threonine residues.
<b>Tissue specificity</b>	Expressed predominantly in lymphoid organs.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 protein kinase domain.
<b>Post-translational modifications</b>	Autophosphorylated.

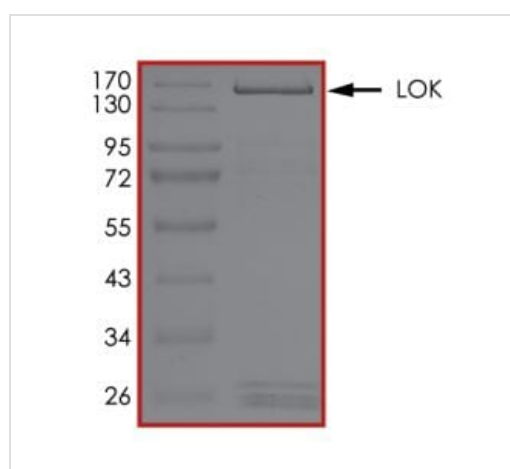
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## Images



Functional Studies - Recombinant LOK protein  
(ab268729)

The specific activity of ab268729 was 1.0 nmol/min/mg in a kinase assay using myelin basic protein as substrate.



SDS-PAGE - Recombinant LOK protein (ab268729)

SDS-PAGE analysis of ab268729.

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

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