

# Recombinant human Activin Receptor Type IA protein ab84539

### 5 图像

#### 描述

<b>产品名称</b>	重组人Activin Receptor Type IA蛋白
<b>生物活性</b>	The specific activity of Activin Receptor Type IA was determined to be 46 nmol/min/mg by activity assay.
<b>纯度</b>	> 90 % SDS-PAGE. Affinity purified.
<b>表达系统</b>	Baculovirus infected Sf9 cells
<b>蛋白长度</b>	Protein fragment
<b>无动物成分</b>	No
<b>性质</b>	Recombinant
<b>种属</b>	Human
<b>序列</b>	<pre> LLGVALRKFK RRNQERLNPR DVEYGTIEGL ITTNVGDSTL ADLLDHSCTS GSGSGLPFLV QRTVARQITL LECVGKGRYG EVWRGSWQGE NVAVKIFSSR DEKSWFRETE LYNTVMLRHE NILGFIASDM TSRHSSTQLW LITHYHEMGS LYDYQLTTL DTVSCLRIVL SIASGLAHLH IEIFGTQGKP AIAHRDLKSK NILVKKNGQC CIADLGLAVM HSQSTNQLDV GNNPRVGTKR YMAPEVLDET IQVDCFDSYK RVDIWAFLV LWEVARRMVS NGIVEDYKPP FYDVVPNDPS FEDMRKVVCV DQQRPNIPNR WFSPTLTSL AKLMKECWYQ NPSARLTALR IKKTLTKIDN SLDKTKTD                     </pre>
<b>氨基酸</b>	147 to 509

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab84539** in the following tested applications.

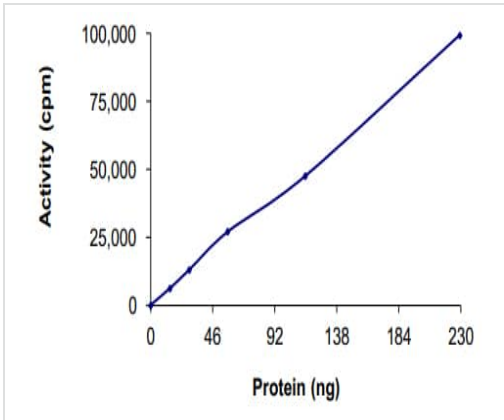
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>应用</b>	Western blot
	Functional Studies
	SDS-PAGE

<b>形式</b>	Liquid
<b>补充说明</b>	<b>ab91090</b> (Cow Casein full length protein) can be utilized as a substrate for assessing Kinase activity
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<b>制备和贮存</b>	
<b>稳定性和存储</b>	<p>Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.</p> <p>pH: 7.50</p> <p>Constituents: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride</p> <p>This product is an active protein and may elicit a biological response in vivo, handle with caution.</p>
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<b>常规信息</b>	
<b>功能</b>	<p>On ligand binding, forms a receptor complex consisting of two type II and two type I transmembrane serine/threonine kinases. Type II receptors phosphorylate and activate type I receptors which autophosphorylate, then bind and activate SMAD transcriptional regulators. Receptor for activin. May be involved for left-right pattern formation during embryogenesis.</p>
<b>组织特异性</b>	<p>Expressed in normal parenchymal cells, endothelial cells, fibroblasts and tumor-derived epithelial cells.</p>
<b>疾病相关</b>	<p>Defects in ACVR1 are a cause of fibrodysplasia ossificans progressiva (FOP) [MIM:135100]. FOP is a rare autosomal dominant disorder of skeletal malformations and progressive extraskletal ossification. Heterotopic ossification in FOP begins in childhood and can be induced by trauma or may occur without warning. Bone formation is episodic and progressive, leading to extra-articular ankylosis of all major joints of the axial and appendicular skeleton, rendering movement impossible.</p>
<b>序列相似性</b>	<p>Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.</p> <p>Contains 1 GS domain.</p> <p>Contains 1 protein kinase domain.</p>
<b>细胞定位</b>	Membrane.

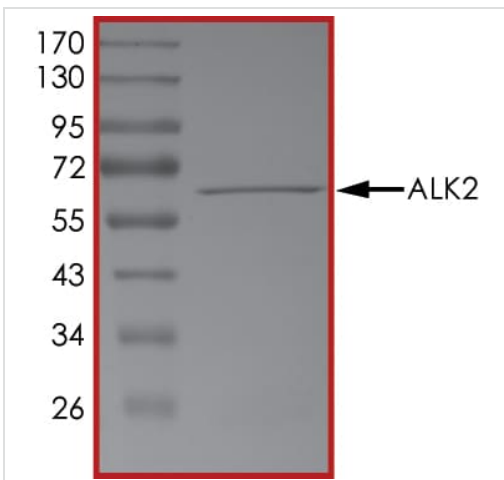
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**图片**



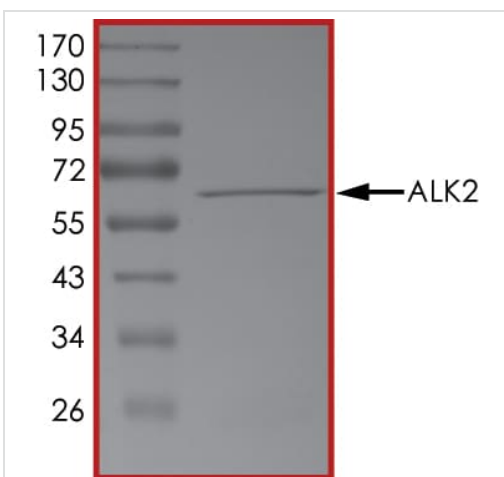
The specific activity of Activin Receptor Type IA (ab84539) was determined to be 40 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human Activin Receptor Type IA protein (ab84539)



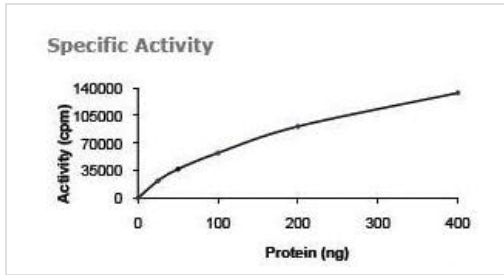
SDS PAGE analysis of ab84539

SDS-PAGE - Recombinant human Activin Receptor Type IA protein (ab84539)



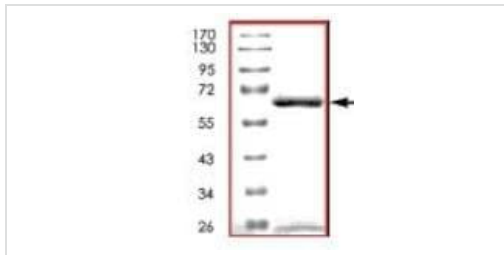
SDS PAGE analysis of ab84539

SDS-PAGE - Recombinant human Activin Receptor Type IA protein (ab84539)



The specific activity of ab84539 was determined to be 46 nmol/min/mg by activity assay.

Functional Studies - Recombinant human Activin Receptor Type IA protein (ab84539)



The purity of ab84539 was determined to be >90% by SDS-PAGE. Molecular Weight: 67 kDa.

SDS-PAGE - Recombinant human Activin Receptor Type IA protein (ab84539)

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

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