

# Recombinant human Activin Receptor Type IA protein ab84539

画像数 5

### 製品の詳細

製品名	Recombinant human Activin Receptor Type IA protein
生理活性	The specific activity of Activin Receptor Type IA was determined to be 46 nmol/min/mg by activity assay.
精製度	> 90 % SDS-PAGE. Affinity purified.
発現系	Baculovirus infected Sf9 cells
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	LLGVALRKFK RRNQERLNPR DVEYGTIEGL ITTNVGDSTL ADLLDHSCTS GSGSGLPFLV QRTVARQITL LECVGKGGRY EVWRGSWQGE NVAVKIFSSR DEKSWFRETE LYNTVMLRHE NILGFIASDM TSRHSSTQLW LITHYHEMGS LYDYLQLTTL DTVSCLRIVL SIASGLAHLH IEIFGTQGKP AIAHRDLKSK NILVKKNGQC CIADLGLAVM HSQSTNQLDV GNNPRVGTKR YMAPEVLDET IQVDCFDSYK RVDIWAFLV LWEVARRMVS NGIVEDYKPP FYDVVPNDPS FEDMRKVVCV DQQRPNIPNR WFSPTLTSL AKLMKECWYQ NPSARLTALR IKKTLTKIDN SLDKCLKTD
領域	147 to 509

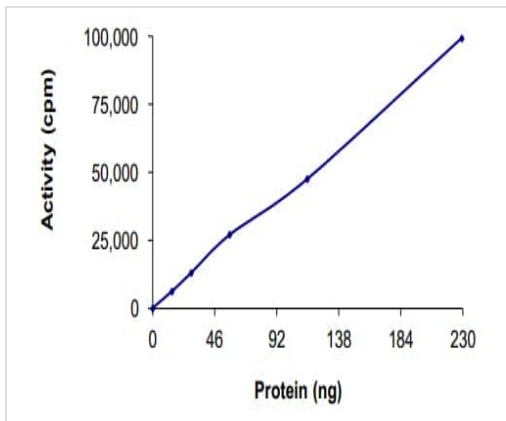
### 特性

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.

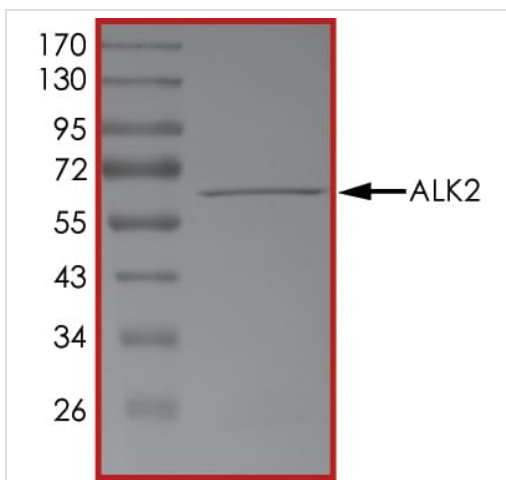
アプリケーション	Western blot
	Functional Studies
	SDS-PAGE

製品の状態	Liquid
備考	<b>ab91090</b> (Cow Casein full length protein) can be utilized as a substrate for assessing Kinase activity
前処理および保存	
保存方法および安定性	<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>
関連情報	
機能	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.
組織特異性	Expressed in normal parenchymal cells, endothelial cells, fibroblasts and tumor-derived epithelial cells.
関連疾患	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 extraskeletal 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.
配列類似性	<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>
細胞内局在	Membrane.
画像	



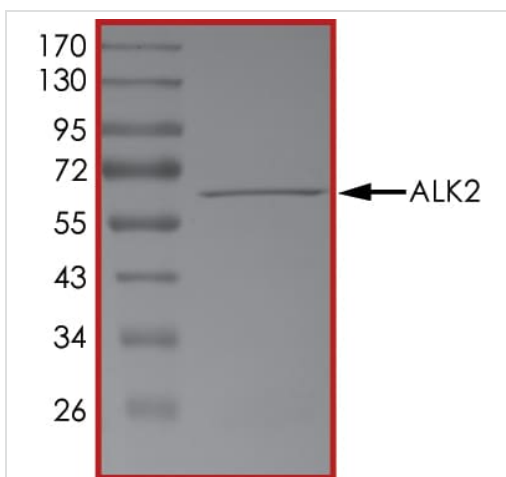
The specific activity of Activin Receptor Type IA (ab84539) was determined to be 40 nmol/min/mg as per activity assay protocol

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



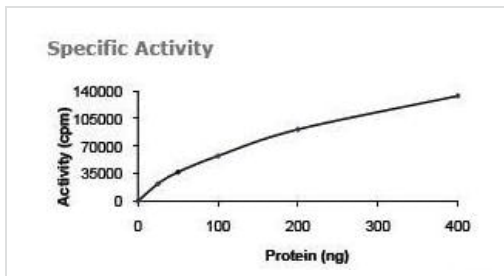
SDS PAGE analysis of ab84539

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



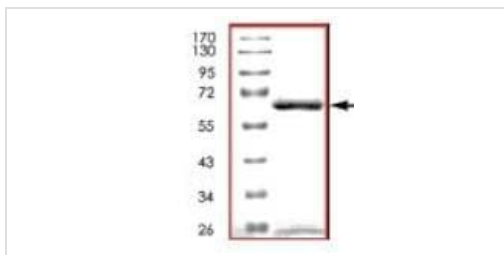
SDS PAGE analysis of ab84539

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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