

Recombinant human Activin Receptor Type IA protein (Active)
ab271360

画像数 2

製品の詳細

製品名	Recombinant human Activin Receptor Type IA protein (Active)		
生理活性	Specific Activity: 40 pmol/min/μg Assay Conditions: Enzyme reactions include 40 mM Tris pH 7.4, 20 mM MgCl ₂ , 0.1 mg/mL BSA, 10 μM ATP, 0.2 mg/mL casein, 3 mM DTT, and various amounts of Activin Receptor Type IA — incubated 45 minutes at 30 °C. Followed by addition of 25 μL of ADP-Glo reagent—incubated 45 minutes at room temperature. Followed by addition of 50 μl of Kinase Detection Reagent— incubated 45 minutes at room temperature. Luminescence was measured.		
精製度	>= 90 % SDS-PAGE. Affinity purified.		
発現系	Baculovirus infected Sf9 cells		
アクセッション番号	<u>Q04771</u>		
タンパク質長	Protein fragment		
Animal free	No		
由来	Recombinant		
生物種	Human		
配列	RKFKRRNQER LNPRDVEYGT IEGLTITNVG DSTLADLLDH SCTSGSGSGL PFLVQRTVAR QITLLECVGK GRYGEVWRGS WQGENVAVKI FSSRDEKSWF RETELYNTVM LRHENILGFI ASDMSRHSS TQLWLITHYH EMGSLYDYLQ LTTLDTVSCL RIVLSIASGL AHLHIEIFGT QGKPAIAHRD LKSKNILVKK NGQCCIADLG LAVMHSQSTN QLDVGNNPRV GTKRYMAPEV LDETIQVDCF DSYKRVDIWA FGLVLWEVAR RMVSNQIVED YKPPFYDVVP NDPSFEDMRK VVCVDQQRPN IPNRWFSIPT LTSLAKLMKE CWYQNPSARL TALRIKKTLT KIDNSLDKLG TDC		
予測される分子量	67 kDa including tags		
領域	147 to 509		
タグ	GST tag N-Terminus		

特性

Our **Abpromise guarantee** covers the use of **ab271360** 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

SDS-PAGE

Functional Studies

製品の状態

Liquid

前処理および保存

保存方法および安定性

Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.

pH: 7.5

Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 20% Glycerol (glycerin, glycerine), 0.05% (R*,R*)-1,4-Dimercaptobutan-2,3-diol

This product is an active protein and may elicit a biological response in vivo, handle with caution.

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

Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. TGFB receptor subfamily.

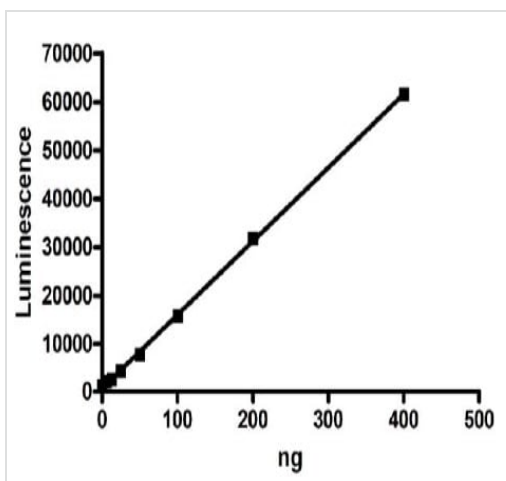
Contains 1 GS domain.

Contains 1 protein kinase domain.

細胞内局在

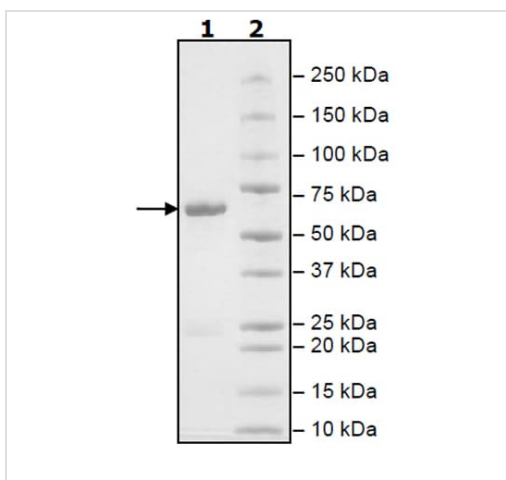
Membrane.

画像



Specific activity of ab271360.

Functional Studies - Recombinant human Activin
Receptor Type IA protein (Active) (ab271360)



SDS-PAGE analysis of ab271360.

SDS-PAGE - Recombinant human Activin Receptor
Type IA protein (Active) (ab271360)

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

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