

Recombinant human GRK1 protein ab105126

画像数 2

製品の詳細

製品名	Recombinant human GRK1 protein
生理活性	Specific activity: 4.3 nmol/min/mg
精製度	> 95 % SDS-PAGE. Affinity purified.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	<u>Q15835</u>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
予測される分子量	95 kDa
領域	1 to 563

特性

Our **Abpromise guarantee** covers the use of **ab105126** 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
製品の状態	Liquid
備考	It is recommended to store this protein at -80°C in glycerol to preserve its activity.

ab204870 (Cdc25C peptide) 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	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.307% Glutathione, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

関連情報

機能

Retina-specific kinase involved in the signal turnoff via phosphorylation of rhodopsin (RHO), the G protein- coupled receptor that initiates the phototransduction cascade. This rapid desensitization is essential for scotopic vision and permits rapid adaptation to changes in illumination.

組織特異性

Retinal-specific. Expressed in rods and cones cells.

関連疾患

Night blindness, congenital stationary, Oguchi type 2

配列類似性

Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 protein kinase domain. Contains 1 RGS domain.

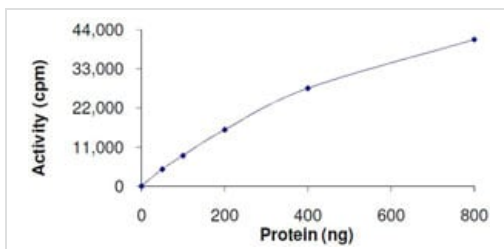
翻訳後修飾

Autophosphorylated, Ser-21 is a minor site of autophosphorylation compared to Ser-491 and Thr-492 (By similarity). Phosphorylation at Ser-21 is regulated by light and activated by cAMP. Farnesylation is required for full activity.

細胞内局在

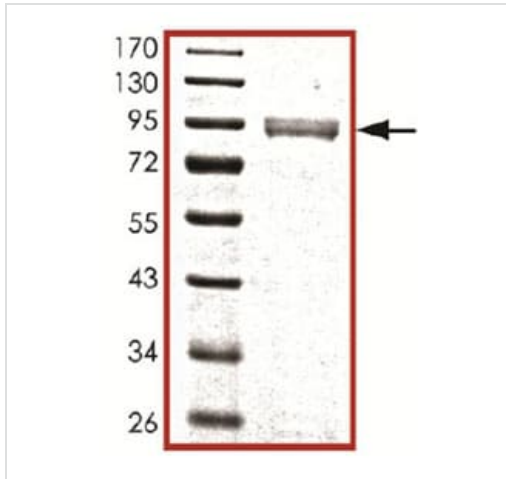
Membrane.

画像



Kinase Activity Plot. Specific activity is 4.3 nmol/min/mg

Functional Studies - Recombinant human GRK1 protein (ab105126)



Recombinant human GRK1 protein (ab105126) + plus proprietary tag

Western blot - Recombinant human GRK1 protein (ab105126)

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

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