abcam

Product datasheet

Recombinant Human Kir2.1/BIK protein ab114391

画像数 1

製品の詳細

製品名	Recombinant Human Kir2.1/BIK protein
発現系	Wheat germ
アクセッション番号	P63252
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	PVLFEEKHYYKVDYSRFHKTYEVPNTPLCSARDLAEKKYILS NANSFCYE NEVALTSKEEDDSENGVPESTSTDTPPDIDLHNQASVPLEPR PLRRESEI
予測される分子量	37 kDa including tags
領域	328 to 427

特性

Our **Abpromise guarantee** covers the use of **ab114391** 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
	Western blot
	ELISA
製品の状態	Liquid
備考	This protein is best used within three months from the date of receipt.
	This product was previously labelled as Kir2.1.

前処理および保存

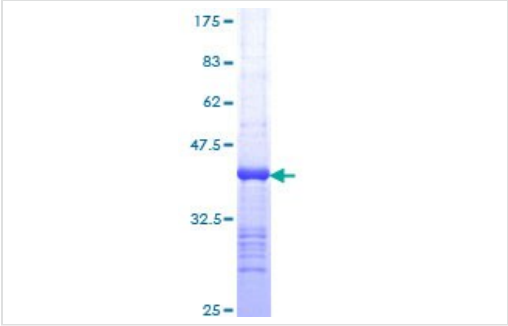
保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.
	pH: 8.00

Constituents: 0.79% Tris HCl, 0.3% Glutathione

関連情報

機能	Probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. Can be blocked by extracellular barium or cesium.
組織特異性	Heart, brain, placenta, lung, skeletal muscle, and kidney. Diffusely distributed throughout the brain.
関連疾患	Defects in KCNJ2 are the cause of long QT syndrome type 7 (LQT7) [MIM:170390]; also called Andersen syndrome or Andersen cardiodysrhythmic periodic paralysis. Long QT syndromes are heart disorders characterized by a prolonged QT interval on the ECG and polymorphic ventricular arrhythmias. They cause syncope and sudden death in response to excercise or emotional stress. LQT7 manifests itself as a clinical triad consisting of potassium-sensitive periodic paralysis, ventricular ectopy and dysmorphic features. Defects in KCNJ2 are the cause of short QT syndrome type 3 (SQT3) [MIM:609622]. Short QT syndromes are heart disorders characterized by idiopathic persistently and uniformly short QT interval on ECG in the absence of structural heart disease in affected individuals. They cause syncope and sudden death. SQT3 has a unique ECG phenotype characterized by asymmetrical T waves.
配列類似性	Belongs to the inward rectifier-type potassium channel (TC 1.A.2.1) family. KCNJ2 subfamily.
細胞内局在	Membrane.

画像



SDS-PAGE - Recombinant Human Kir2.1/BIK protein (ab114391)

ab114391 analysed on a 12.5% SDS-PAGE Stained with Coomassie Blue.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.co.jp/abpromise** or contact our technical team.

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