abcam

Product datasheet

Recombinant Human Calcium channel L type DHPR alpha 2 subunit/CACNA2D1 protein (Tagged) ab235738

製品の詳細

製品名 Recombinant Human Calcium channel L type DHPR alpha 2 subunit/CACNA2D1 protein

(Tagged)

精製度 > 90 % SDS-PAGE.

発現系 Escherichia coli

アクセッション番号 <u>P54289</u>

タンパク質長 Protein fragment

Animal free No

由来 Recombinant

生物種 Human

配列 QPKPIGVGIPTINLRKRRPNIQNPKSQEPVTLDFLDAELEND

IKVEIRNK

MIDGESGEKTFRTLVKSQDERYIDKGNRTYTWTPVNGTDYSL

ALVLPTYS

FYYIKAKLEETITQARYSETLKPDNFEESGYTFIAPRDYCN

予測される分子量 32 kDa including tags

領域 528 to 668

タヴ His tag N-Terminus

配列の追加情報 N-terminal 6xHis-SUMO-tag.

特性

Our Abpromise guarantee covers the use of ab235738 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

製品の状態 Liquid

備考 This product was previously labelled as Calcium channel L type DHPR alpha 2 subunit

前処理および保存

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保存方法および安定性 Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.2

Constituents: Tris buffer, 50% Glycerol (glycerin, glycerine)

関連情報

機能 The alpha-2/delta subunit of voltage-dependent calcium channels regulates calcium current

density and activation/inactivation kinetics of the calcium channel. Plays an important role in

excitation-contraction coupling.

組織特異性 Isoform 1 is expressed in skeletal muscle. Isoform 2 is expressed in the central nervous system.

lsoform 2, isoform 4 and isoform 5 are expressed in neuroblastoma cells. Isoform 3, isoform 4

and isoform 5 are expressed in the aorta.

配列類似性 Belongs to the calcium channel subunit alpha-2/delta family.

Contains 1 cache domain. Contains 1 VWFA domain.

ドメイン The MIDAS-like motif in the VWFA domain binds divalent metal cations and is required to

promote trafficking of the alpha-1 (CACNA1) subunit to the plasma membrane by an integrin-like

switch.

翻訳後修飾 Proteolytically processed into subunits alpha-2-1 and delta-1 that are disulfide-linked.

細胞内局在 Membrane.

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

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