abcam

Product datasheet

Recombinant Human CDK5R1(p25) protein. ab125653

1 References　画像数 1

製品の詳細

製品名	Recombinant Human CDK5R1(p25) protein.
精製度	> 85 % Densitometry. Purity was determined to be >85% by densitometry. Affinity purified.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	Q15078
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	49 kDa including tags
領域	98 to 307
タグ	GST tag N-Terminus
製品の詳細	Recombinant Human CDK5R1 protein

特性

Our **Abpromise guarantee** covers the use of **ab125653** 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 SDS-PAGE
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. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

関連情報

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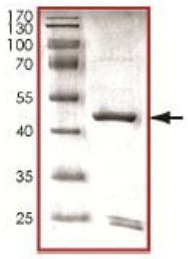
機能	p35 is a neuron specific activator of CDK5. The complex p35/CDK5 is required for neurite outgrowth and cortical lamination. Activator of TPKII.
組織特異性	Brain and neuron specific.
配列類似性	Belongs to the cyclin-dependent kinase 5 activator family.
翻訳後修飾	The p35 form is proteolytically cleaved by calpain, giving rise to the p25 form. P35 has a 5 to 10 fold shorter half-life compared to p25. The conversion results in deregulation of the CDK5 kinase: p25/CDK5 kinase displays an increased and altered tau phosphorylation in comparison to the p35/CDK5 kinase in vivo. Probably myristoylated. The Gly-2-Ala mutant is absent of the cell periphery, suggesting that a proper myristoylation signal is essential for the proper distribution of p35.
細胞内局在	Cell membrane. In the primary cortical neurons, p35 is present in the peripheries and nerve terminals and Nucleus. Cytoplasm > perinuclear region. The conversion of p35 to p25 relocalizes the protein from the cell periphery to the cytoplasm, in nuclear and perinuclear regions. In the primary cortical neurons, p25 is primarily concentrated in the cell soma and is largely absent from neurites.

画像



SDS-PAGE - Recombinant Human CDK5R1(p25) protein. (ab125653)

SDS-PAGE analysis of ab125653.

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