

## Product datasheet

# Recombinant Human CDK5R1(p25) protein. ab125653

## [1 References](#) [1 图像](#)

### 描述

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产品名称	重组人CDK5R1(p25)蛋白.
纯度	> 85 % Densitometry. Purity was determined to be >85% by densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<b><u>Q15078</u></b>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	49 kDa including tags
氨基酸	98 to 307
标签	GST tag N-Terminus
描述	重组人CDK5R1蛋白

### 技术指标

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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.

应用	Western blot SDS-PAGE
形式	Liquid

### 制备和贮存

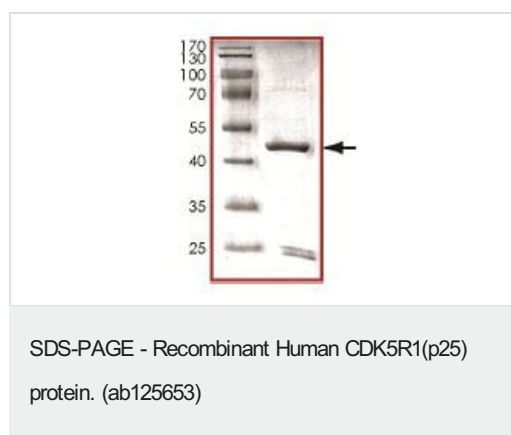
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稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride
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### 常规信息

<b>功能</b>	p35 is a neuron specific activator of CDK5. The complex p35/CDK5 is required for neurite outgrowth and cortical lamination. Activator of TPKII.
<b>组织特异性</b>	Brain and neuron specific.
<b>序列相似性</b>	Belongs to the cyclin-dependent kinase 5 activator family.
<b>翻译后修饰</b>	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.
<b>细胞定位</b>	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.

**图片**



SDS-PAGE analysis of ab125653.

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