

Product datasheet

Recombinant Human Presenilin 2 / AD5 protein ab114427

画像数 1

製品の概要

製品名	Recombinant Human Presenilin 2 / AD5 protein
タンパク質長	Protein fragment

製品の詳細

由来	Recombinant
由来	Wheat germ
アミノ酸配列	
アクセッション番号	<a href="#">P49810</a>
生物種	Human
配列	MLTFMASDSEEEVCDERTSLMSAESPTPRSCQEGRQGPED GENTAQWRSQ ENEEDGEEDPDRYVCSGVPGRPPGLEEELTLKYGAK
分子量	35 kDa including tags
領域	1 to 86

特性

Our [Abpromise guarantee](#) covers the use of **ab114427** 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
	ELISA
	Western blot

製品の状態	Liquid
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備考	Protein concentration is above or equal to 0.05 mg/ml. Best used within three months from the date of receipt. Previously labelled as Presenilin 2.
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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.
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pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

## 関連情報

### 機能

Probable catalytic subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (beta-amyloid precursor protein). Requires the other members of the gamma-secretase complex to have a protease activity. May play a role in intracellular signaling and gene expression or in linking chromatin to the nuclear membrane. May function in the cytoplasmic partitioning of proteins.

### 組織特異性

Isoform 1 is seen in the placenta, skeletal muscle and heart while isoform 2 is seen in the heart, brain, placenta, liver, skeletal muscle and kidney.

### 関連疾患

Defects in PSEN2 are the cause of Alzheimer disease type 4 (AD4) [MIM:606889]. AD is an autosomal dominant Alzheimer disease. Alzheimer disease is a neurodegenerative disorder characterized by progressive dementia, loss of cognitive abilities, and deposition of fibrillar amyloid proteins as intraneuronal neurofibrillary tangles, extracellular amyloid plaques and vascular amyloid deposits. The major constituent of these plaques is the neurotoxic amyloid-beta-APP 40-42 peptide (s), derived proteolytically from the transmembrane precursor protein APP by sequential secretase processing. The cytotoxic C-terminal fragments (CTFs) and the caspase-cleaved products such as C31 derived from APP, are also implicated in neuronal death. Defects in PSEN2 are the cause of cardiomyopathy dilated type 1V (CMD1V) [MIM:613697]. It is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.

### 配列類似性

Belongs to the peptidase A22A family.

### ドメイン

The PAL motif is required for normal active site conformation.

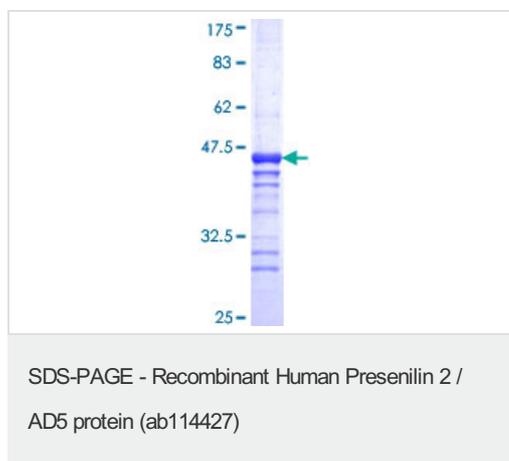
### 翻訳後修飾

Heterogeneous proteolytic processing generates N-terminal and C-terminal fragments. Phosphorylated on serine residues.

### 細胞内局在

Endoplasmic reticulum membrane. Golgi apparatus membrane.

## 画像



ab114427 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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- 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

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