abcam

Product datasheet

Recombinant Human ProSAAS protein (denatured) ab174456

画像数 1

製品の詳細

製品名	Recombinant Human ProSAAS protein (denatured)
精製度	> 85 % SDS-PAGE.
発現系	Escherichia coli
アクセッション番号	Q9UHG2
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	MGSSHHHHHHSSGLVPRGSHMGSMARPVKEPRGLSAASPPLAETGAPRRF RRSVPRGEAAGAVQELARALAHLLEAERQERARAEAQEAEDQQARVLAQL LRVWGAPRNSDPALGLDDDPDAPAAQLARALLRARLDPAALAAQLVPAPV PAAALRPRPPVYDDGPAGPDAEEAGDETPDVDPELLRYLLGRILAGSADS EGVAAPRRLRRAADHDVGSELPPEGVLGALLRVKRLETPAPQVPARRLLP P
予測される分子量	27 kDa including tags
領域	34 to 260
タグ	His tag N-Terminus
配列の追加情報	NCBI Accession No.: NP_037403
製品の詳細	Recombinant Human ProSAAS protein

特性

Our **Abpromise guarantee** covers the use of **ab174456** 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

前処理および保存

保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00
Constituents: 2.4% Urea, 10% Glycerol (glycerin, glycerine), 0.32% Tris HCl

関連情報

機能

May function in the control of the neuroendocrine secretory pathway. Proposed be a specific endogenous inhibitor of PCSK1. ProSAAS and Big PEN-LEN, both containing the C-terminal inhibitory domain, but not the further processed peptides reduce PCSK1 activity in the endoplasmic reticulum and Golgi. It reduces the activity of the 84 kDa form but not the autocatalytically derived 66 kDa form of PCSK1. Subsequent processing of proSAAS may eliminate the inhibition. Slows down convertase-mediated processing of proopiomelanocortin and proenkephalin. May control the intracellular timing of PCSK1 rather than its total level of activity. The function of the processed secreted peptides is not known.

組織特異性

Expressed in brain and pancreas.

ドメイン

ProSAAS(1-180) increases secretion of enzymatically inactive PCSK1.
The C-terminal inhibitory domain is involved in inhibtion of PCSK1. It corresponds to the probable processing intermediate Big PEN-LEN, binds to PCSK1 in vitro and contains the hexapeptide L-L-R-V-K-R, which, as a synthetic peptide, is sufficient for PCSK1 inhibition.

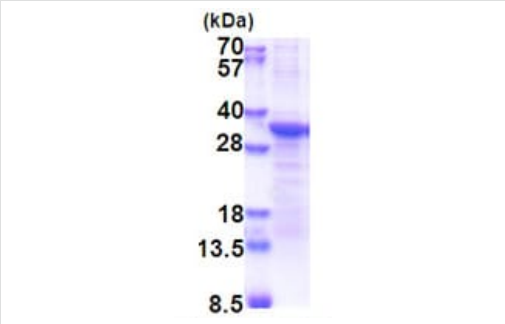
翻訳後修飾

Proteolytically cleaved in the Golgi.
O-glycosylated with a core 1 or possibly core 8 glycan.

細胞内局在

Secreted. Golgi apparatus > trans-Golgi network. A N-terminal processed peptide, probably Big SAAS or Little SAAS, is accumulated in cytoplasmic protein tau deposits in frontotemporal dementia and parkinsonism linked to chromosome 17 (Pick disease), Alzheimer disease and amyotrophic lateral sclerosis-parkinsonism/dementia complex 1.

画像



SDS-PAGE - Recombinant Human ProSAAS protein (denatured) (ab174456)

15% SDS-PAGE analysis of ab174456 (3 µg)

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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors