

Product datasheet

Recombinant Human GM2A protein ab116790

画像数 1

製品の概要

製品名	Recombinant Human GM2A protein
タンパク質長	Full length protein

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 [P17900](#)

生物種 Human

配列
 MQSLMQAPLLIALGLLLAAPAQAHLKKPSQLSSFSWDNCDEGKDPVIRS
 LTLEPDPIIVPGNVTL SVMGSTSVPLSSPLKVDLVLEKEVAGLWIKIPCT
 DYIGSCTFEHFCDVLDMLIPTGEPCEPLR TYGLPCHCPFKEGTYS LPKS
 EFVVPDLELP SWLTTGNYRIESVLSSSGKRLGCIKIAASLKGI

分子量 47 kDa including tags

領域 1 to 193

特性

Our [Abpromise guarantee](#) covers the use of **ab116790** 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
	ELISA

製品の状態 Liquid

備考 Protein concentration is above or equal to 0.05 mg/ml.
 Best used within three months from the date of receipt.

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.

pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

関連情報

機能

Binds gangliosides and stimulates ganglioside GM2 degradation. It stimulates only the breakdown of ganglioside GM2 and glycolipid GA2 by beta-hexosaminidase A. It extracts single GM2 molecules from membranes and presents them in soluble form to beta-hexosaminidase A for cleavage of N-acetyl-D-galactosamine and conversion to GM3.

関連疾患

Defects in GM2A are the cause of GM2-gangliosidosis type AB (GM2GAB) [MIM:272750]; also known as Tay-Sachs disease AB variant. GM2-gangliosidosis is an autosomal recessive lysosomal storage disease marked by the accumulation of GM2 gangliosides in the neuronal cells. GM2GAB is characterized by GM2 gangliosides accumulation in the presence of both hexosaminidase A and B.

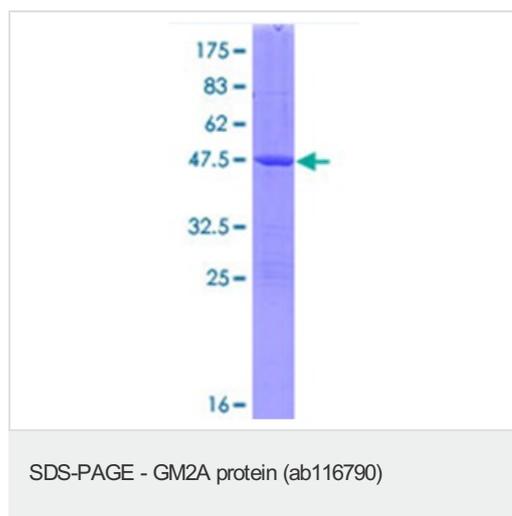
翻訳後修飾

The serines in positions 32 and 33 are absent in 80% of the sequenced protein.

細胞内局在

Lysosome.

画像



12.5% SDS-PAGE showing ab116790 at approximately 47.30kDa.

Stained with Coomassie Blue.

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

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