abcam

Product datasheet

Recombinant Human Neuraminidase protein ab131685

1 图像

描述

产品名称	重组人Neuraminidase蛋白
纯度	> 85 % SDS-PAGE. ab131685 was purified using conventional chromatography techniques.
表达系统	Escherichia coli
Accession	Q99519
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MGSSHHHHHH SSGLVPRGSH MGSHMEND FGLVQPLVTM EQLLWVSGRQ IGSVDTFRIP LITATPRGTL LAFAEARKMS SSDEGAKFIA LRRSMDQGST WSPTAFIVND GDVPDGLNLG AVVSDVETGV VFLFYSLCAH KAGCQVASTM LVWSKDDGVS WSTPRNLSLD IGTEVFAPGP GSGIQKQREP RKGRLIVCGH GTLERDGVFC LLSDDHGASW RYGSGVSGIP YGQPKQENDF NPDECQPYEL PDGSVVINAR NQNNYHCHCR IVLRSYDACD TLRPRDVTFD PELVDPVVAA GAVVTSSGIV FFSNPAHPEF RVNLTLRWSF SNGTSWRKET VQLWPGPSGY SSLATLEGSM DGEEQAPQLY VLYEKGRNHY TESISVAKIS VYGTL
预测分子量	43 kDa including tags
氨基酸	48 to 415
标签	His tag N-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab131685** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
	Mass Spectrometry

质谱法	MALDI-TOF
形式	Liquid

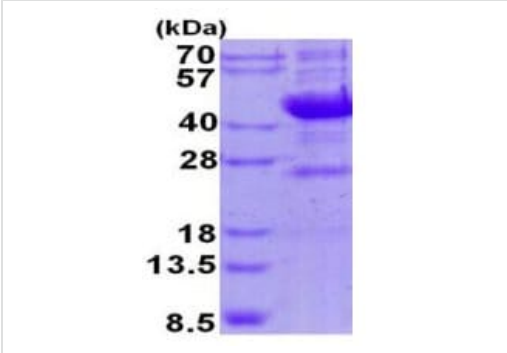
制备和贮存

稳定性和存储	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: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

常规信息

功能	Catalyzes the removal of sialic acid (N-acetylneuramic acid) moities from glycoproteins and glycolipids. To be active, it is strictly dependent on its presence in the multienzyme complex. Appears to have a preference for alpha 2-3 and alpha 2-6 sialyl linkage.
组织特异性	Highly expressed in pancreas, followed by skeletal muscle, kidney, placenta, heart, lung and liver. Weakly expressed in brain.
疾病相关	Defects in NEU1 are the cause of sialidosis (SIALIDOSIS) [MIM:256550]. It is a lysosomal storage disease occurring as two types with various manifestations. Type 1 sialidosis (cherry red spot-myoclonus syndrome or normosomatic type) is late-onset and it is characterized by the formation of cherry red macular spots in childhood, progressive debilitating myoclonus, insiduous visual loss and rarely ataxia. The diagnosis can be confirmed by the screening of the urine for sialyloligosaccharides. Type 2 sialidosis (also known as dysmorphic type) occurs as several variants of increasing severity with earlier age of onset. It is characterized by the presence of abnormal somatic features including coarse facies and dysostosis multiplex, vertebral deformities, mental retardation, cherry-red spot/myoclonus, sialuria, cytoplasmic vacuolation of peripheral lymphocytes, bone marrow cells and conjunctival epithelial cells.
序列相似性	Belongs to the glycosyl hydrolase 33 family. Contains 4 BNR repeats.
结构域	A C-terminal internalization signal (YGTL) appears to allow the targeting of plasma membrane proteins to endosomes.
翻译后修饰	N-glycosylated. Phosphorylation of tyrosine within the internalization signal results in inhibition of sialidase internalization and blockage on the plasma membrane.
细胞定位	Lysosome membrane. Lysosome lumen. Cell membrane. Cytoplasmic vesicle. Localized not only on the inner side of the lysosomal membrane and in the lysosomal lumen, but also on the plasma membrane and in intracellular vesicles.

图片



SDS-PAGE - Recombinant Human Neuraminidase protein (ab131685)

15% SDS-PAGE analysis of 3 µg ab131685.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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