

# CHAMOT

## Recombinant Human GM2A

CM185-5HP

CM185-20HP

CM185-100HP

CM185-500HP

CM185-1000HP



CHAMOT

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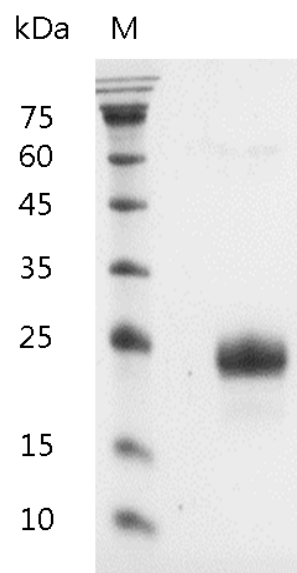
## Recombinant Human GM2A

编号:	CM185-5HP CM185-20HP CM185-100HP CM185-500HP CM185-1000HP	规格:	5 µg 20 µg 100 µg 500 µg 1 mg
类别:	重组蛋白	应用:	Functional Assay

### 产品简介

**描述:** The human GM2A protein, also known as GM2 ganglioside activator protein, is a small glycoprotein that plays a crucial role in lipid metabolism. It is primarily expressed in lysosomes, where it binds to and facilitates the breakdown of a type of lipid molecule known as GM2 ganglioside. This lipid molecule is typically found in high concentrations in the nervous system and plays a key role in neural signaling. Deficiencies in the GM2A protein have been linked to a rare genetic disorder known as GM2 gangliosidosis, which can lead to the accumulation of GM2 ganglioside in the brain and nervous system. This can result in severe neurological symptoms, including developmental delays, seizures, and loss of motor function.

Recent research has also suggested that the GM2A protein may have potential therapeutic applications in the treatment of certain types of cancer. Studies have shown that the protein can help to induce apoptosis (cell death) in cancer cells, and may be able to enhance the effectiveness of certain chemotherapy drugs. Overall, the human GM2A protein plays a critical role in lipid metabolism and has important implications for a range of health conditions, from rare genetic disorders to cancer.



SDS-PAGE analysis of recombinant human GM2A

来源: HEK293 cell

纯度: >95% as determined by SDS-PAGE analysis.

生物学活性: Testing in process

内毒素检测: <1 EU per 1 µg of the protein by the LAL method.

蛋白序列: A DNA sequence encoding Human GM2A Protein (#P17900)(Met1-Ile193) was expressed with polyhistidine tag at the C-terminus.

## 产品组成

成分: 从含有 1X PBS, pH 7.4 溶液中冻干的蛋白质.

## 产品储存/运输

产品形式	储存温度	储存时间
冻干粉	-20°C至-80°C	自收到之日起1年
重悬液 (初始)	2°C至8°C	不超过1周
重悬液 (经稀释)	-20°C至-80°C	3到6个月

运输方式: 蓝冰

## 产品使用

- 1、开盖前, 建议3000-3500rpm离心5min。
- 2、推荐使用无菌水重悬冻干粉, 溶液浓度不低于100µg/mL, 不高于1mg/mL, 并室温静置至少20min以充分溶解。勿涡旋剧烈振荡。
- 3、重悬后的溶液, 2-8°C无菌保存不超过1周。
- 4、如需长期保存, 推荐使用无菌的含载体蛋白 (如0.1%BSA、10%FBS 或5%HSA) 的溶液进一步稀释(不低于10ug/mL) 后分装保存, -20°C至-80°C无菌保存3到6个月。无血清实验需求时, 可更换为 5%海藻糖溶液作为载体。避免反复冻融。

WB=Western Blot; IP=Immunoprecipitation; IF=Immunofluorescence; IHC=Immunohistochemistry;  
 FACS=Fluorescence activated Cell Sorting; FA=Functional Assay