

Datasheet for ABIN7479205

**GM2A Protein (AA 32-193, full length) (GST tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	GM2A
Protein Characteristics:	AA 32-193, full length
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GM2A protein is labelled with GST tag.
Application:	ELISA

## Product Details

Sequence:	SSFSWDNCDE GKDPAVIRSL TLEPDPIVP GNVTL SVMGS TSVPLSSPLK VDLVLEKEVA GLWIKIPCTD YIGSCTFEHF CDVLDMLIPT GEPCPEPLRT YGLPCHCPFK EGTYS LPKSE FVVPDLELPS WLTTGNYRIE SVLSSSGKRL GCIKIAASLK GI
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	95 %

## Target Details

Target:	GM2A
Alternative Name:	Ganglioside GM2 activator protein ( <a href="#">GM2A Products</a> )
Background:	Binds gangliosides and stimulates ganglioside GM2 degradation. It stimulates only the

## Target Details

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

Molecular Weight: 45 kD

UniProt: [P17900](#)

## Application Details

**Comment:** The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

**Restrictions:** For Research Use only

## Handling

**Format:** Lyophilized

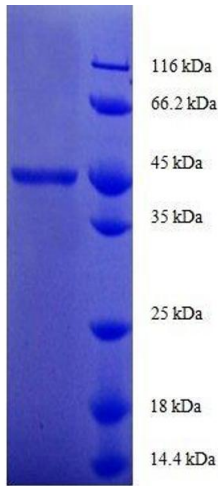
**Concentration:** 0.2-2 mg/mL

**Buffer:** Tris-based buffer, 50 % glycerol

**Handling Advice:** Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

**Storage:** -20 °C

**Storage Comment:** Store at -20 °C for extended storage, conserve at -20 °C or -80 °C



SDS-PAGE

**Image 1.** GM2 Ganglioside Activator (GM2A) (AA 32-193), (full length) protein (GST tag)