

Datasheet for ABIN7561203  
**SAMD8 Protein (AA 1-478) (His tag)**



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## Overview

Quantity:	1 mg
Target:	SAMD8
Protein Characteristics:	AA 1-478
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SAMD8 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Samd8 Protein expressed in mammalian cells.
Sequence:	<p>MPAGSRAGSR LRSGSLPRPS RLTLKALRPA YAPRTPDSNG DLDTGSELGP GSPAPTAEEV EKEMAGPSQL CIRRWTTKHV AVWLKDEGFF EYVDILCNKH RLDGITLLTL TEYDLRSPPL EIKVLGDIKR LMLSVRKLQK IHTDVLEEMG YNSDSPMSPM TPFLSALQSA DWLCNGEPH SCDGIPIPLS SDQYQYMNGK NKHSARRLDP EYWKTILSCV YVFIVFGFTS FIMVIVHERV PDMQTYPPPL DIFLDSVPRI PWAFSMTEVC GVILCYIWIL VLLLHKHRSI LLRRLCSLMG TVFLLRCFTM FVTLSVPGQ HLQCTGKIYG SVWEKLRRAF AIWSGFGMTL TGVHTCGDYM FSGHTVVLTM LNFFVTEYTP RSWNFLHTLS WVLNLFGIFF ILAAHEHYSI DVFIAFYITT RLFLYYHTLA NTRAYHQSRR ARIWFPMFSF FECNVNGTVP NEYCWPFSKP AIMKRLIG</p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

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### Target:

SAMD8

### Alternative Name:

Samd8 ([SAMD8 Products](#))

### Background:

Sphingomyelin synthase-related protein 1 (SMSr) (EC 2.7.8.-) (Ceramide phosphoethanolamine synthase) (CPE synthase) (Sterile alpha motif domain-containing protein 8) (SAM domain-containing protein 8),FUNCTION: sphingomyelin synthases synthesize sphingolipids through transfer of a phosphatidyl head group on to the primary hydroxyl of ceramide. SAMD8 is an endoplasmic reticulum (ER) transferase that has no sphingomyelin synthase activity but can convert phosphatidylethanolamine (PE) and ceramide to ceramide phosphatidylethanolamine (CPE) albeit with low product yield. Appears to operate as a ceramide sensor to control ceramide homeostasis in the endoplasmic reticulum rather than a converter of ceramides. Seems to be critical for the integrity of the early secretory pathway (By similarity). {ECO:0000250}.

### Molecular Weight:

54.7 kDa

## Target Details

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UniProt: [Q9DA37](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months