



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### ACMSD (Human) Recombinant Protein (P01)

**Catalog Number:** H00130013-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human ACMSD full-length ORF (AAH16018.1, 1 a.a. - 278 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGKSSEWCERIAGIQKQFVLEKWTKKAKPEDTLNLCQL  
LNNDLASTVVSYPFRFVGLGLPMPQAPLAVKEMERC  
VKELGFPVQIGTHVNEWDLNAQELFPVYAAAERLKC  
SLFVHPWDMQMDGRMAKYWLPWLVGMPAETTIAICS  
MIMGGVFEKFKLVCFAHGGGAFPFTVGRISHGFSM  
RPDLCAQDNPMNPKKYLGSFYTDALVHDPLSLKLLTD  
VIGKDKVILGTDYPPFLGELEPGKLIESMEEFDEETKNK  
LKAGNALAFLGLERKQFE

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 57.6

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 130013

**Gene Symbol:** ACMSD

**Gene Alias:** -

**Gene Summary:** The neuronal excitotoxin quinolinate is an intermediate in the de novo synthesis pathway of NAD from tryptophan, and has been implicated in the pathogenesis of several neurodegenerative disorders. Quinolinate is derived from alpha-amino-beta-carboxy-muconate-epsilon-semialdehyde (ACMS). ACMSD (ACMS decarboxylase; EC 4.1.1.45) can divert ACMS to a benign catabolite and thus prevent the accumulation of quinolinate from ACMS.[supplied by OMIM]