



# SZABO SCANDIC

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## 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

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## Datasheet

### GCAT (Human) Recombinant Protein (P01)

**Catalog Number:** H00023464-P01

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

**Product Description:** Human GCAT full-length ORF (AAH14457, 1 a.a. - 419 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MWPGNAWRAALFRVPRGRRASALALRGILEGELE  
GICGAGTWKSERVITSRQGPHIRVDGVSGGILNFCAN  
NYLGLSSHPEVIQAGLQALEEFGAGLSSVRFICGTQSI  
HKNLEAKIARFHQREDAILYPCYDANAGLFEALLTPE  
DAVLSDELNHASIIDGIRLCKAHKYRHRHDMADLEAKL  
QEAQKHRLRLVATDGAFSMDGDIAPLQEICCLASRYG  
ALVFMDECHATGFLGPTGRGTDELLGMDQVTIINSTL  
GKALGGASGGYTTGPGPLVSLRQRARPYLFSNSLPP  
AVVGCASKALDLLMGSNTIVQSMAAKTQFRFSKMEAA  
GFTISGASHPICPVMLGDARLASRMADDMLKRGIFVIG  
FSYPVVPKGAWIRVQISAVHSEEDIDRCVEAFVEVGR  
LHGALP

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

**Theoretical MW (kDa):** 71.61

**Interspecies Antigen Sequence:** Mouse (90); Rat (89)

**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:** 23464

**Gene Symbol:** GCAT

**Gene Alias:** KBL, MGC23053

**Gene Summary:** The degradation of L-threonine to glycine consists of a two-step biochemical pathway involving the enzymes L-threonine dehydrogenase and 2-amino-3-ketobutyrate coenzyme A ligase. L-Threonine is first converted into 2-amino-3-ketobutyrate by L-threonine dehydrogenase. This gene encodes the second enzyme in this pathway, which then catalyzes the reaction between 2-amino-3-ketobutyrate and coenzyme A to form glycine and acetyl-CoA. The encoded enzyme is considered a class II pyridoxal-phosphate-dependent aminotransferase. [provided by RefSeq]