



# 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

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## Datasheet

### GCNT2 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002651-P01

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

**Product Description:** Human GCNT2 full-length ORF ( NP\_663630.2, 1 a.a. - 402 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MNFWRYCFFAFTLLSVVIFVRFYSSQLSPPKSYEKLNS  
SSERYFRKTACNHALEKMPVFLWENILPSPLRSVPCK  
DYLTQNHYITSPLSEEEAAFPPLAYVMVIHKDFDFTFERLF  
RAIYMPQNVYCVHVDEKAPAEYKESVRQLLSCFQNAFI  
ASKTESVYVYAGISRLQADLNCLKDLVASEVPWKYVINT  
CGQDFPLKTNREIVQHLKGFKGKNITPGVLPPDHAIKR  
TKYVHQEHTDKGGFFVKNTNILKTSPPHQLTIYFGTAY  
VALTRDFVDFVLRDQRAIDLLQWSKDTYSPDEHFWVT  
LNRVSGVPGSMPNASWTGNLRAIKWSDMEDRHGGC  
HGHYVHGICIIYGNGLKWLVNSPSLFANKFELNTYPLT  
VECLELRHRERTLNQSETAIQPSWYF

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

**Theoretical MW (kDa):** 72.9

**Interspecies Antigen Sequence:** Mouse (77); Rat (74)

**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:** 2651

**Gene Symbol:** GCNT2

**Gene Alias:** CCAT, GCNT2C, GCNT5, IGNT, II, MGC163396, NACGT1, NAGCT1, ULG3, bA360O19.2, bA421M1.1

**Gene Summary:** This gene encodes the enzyme responsible for formation of the blood group I antigen. The i and I antigens are distinguished by linear and branched poly-N-acetyllactosaminoglycans, respectively. The encoded protein is the I-branching enzyme, a beta-1,6-N-acetylglucosaminyltransferase responsible for the conversion of fetal i antigen to adult I antigen in erythrocytes during embryonic development. Mutations in this gene have been associated with adult i blood group phenotype. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]