



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

### GNPTG (Human) Recombinant Protein (P01)

**Catalog Number:** H00084572-P01

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

**Product Description:** Human GNPTG full-length ORF (AAH14592, 19 a.a. - 304 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

PAPAGAAKMKVVEEPNAFGVNNPFLPQASRLQAKRD  
PSPVSGPVHLFRLSGKCFSLVESTYKYEFCPFHNVTQ  
HEQTFRWNAYSGLIGIWHWEIANNTFTGMWMRDGD  
ACRSRSRQSKVELACGKSNRLAHVSEPSTCVYALTFE  
TPLVCHPHALLVYPTLPEALQRQWDRVEQDLADELITP  
QGHEKLLRRLFEDAGYLKTPENEPTQLEGGPDSLGF  
TLENCRAKHKELSKEIKRLKGLLTQHGIPTTRPTETSNL  
EHLGHETPRAKSPEQLRGDPGLRGSL

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

**Theoretical MW (kDa):** 57.2

**Interspecies Antigen Sequence:** Mouse (80); Rat (79)

**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:** 84572

**Gene Symbol:** GNPTG

**Gene Alias:** C16orf27, GNPTAG, LP2537, RJD9

**Gene**

**Summary:** UDP-N-acetylglucosamine:lysosomal-enzyme N-acetylglucosamine-1-phosphotransferase (GlcNAc-phosphotransferase) catalyzes the initial step in the synthesis of the mannose 6-phosphate determinant required for efficient intracellular targeting of newly synthesized lysosomal hydrolases to the lysosome. GlcNAc-phosphotransferase is an alpha-2/beta-2/gamma-2 hexameric complex, the enzyme product of 2 genes, 1 encoded by a gene on chromosome 16 (GNPTG) and the other by a gene on chromosome 12 (GNPTAB; MIM 607840).[supplied by OMIM]