



# 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

### SLC37A4 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002542-P01

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

**Product Description:** Human SLC37A4 full-length ORF ( NP\_001458.1, 1 a.a. - 429 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAAQGYGYRTVIFSAMFGGYSLYYFNRKTFVMP  
LVEEIPDKDDLGFITSSQSAAYAISKFVSGVLS  
DQMSA  
RWLFSSGLLLVGLVNIFFAWSSTVPVFAALW  
FLNGLAQ  
GLGWPPCGKVLKWFEPSTQFGTWWAILSTSM  
NLAGG  
LGPILATILAQSYWRSTLALSGALCVVVSFLC  
LLLIHNE  
PADVGLRNLDPMPSEGKKGSLKEESTLQELL  
LSPYLW  
VLSTGYLVVFGVKTCCTDWGQFFLIQEKGS  
SALVGSS  
YMSALEVGGVGSIAAGYLSDRAMAKAGLSN  
YGNPRH  
GLLLFMMAGMTVSMYLFRTVTSDSPKLWIL  
VLGAVF  
GFSSYGPALFGVIANESAPPNLCGTSHAIVG  
LMANVG  
GFLAGLPFSTIAKHYSWSTAFWVAEVICAAS  
TAAFFLL  
RNIRTKMGRVSKKAE

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

**Theoretical MW (kDa):** 72.8

**Interspecies Antigen Sequence:** Mouse (93); Rat (93)

**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:** 2542

**Gene Symbol:** SLC37A4

**Gene Alias:** G6PT1, G6PT2, G6PT3, GSD1b, GSD1c, GSD1d, MGC15729, PRO0685, TRG19

**Gene Summary:** This gene regulates glucose-6-phosphate transport from the cytoplasm to the lumen of the endoplasmic reticulum, in order to maintain glucose homeostasis. It also plays a role in ATP-mediated calcium sequestration in the lumen of the endoplasmic reticulum. Mutations in this gene have been associated with various forms of glycogen storage disease. Alternative splicing in this gene results in multiple transcript variants]