



# 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

### GUCY1A3 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002982-P01

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

**Product Description:** Human GUCY1A3 full-length ORF ( AAH28384.1, 1 a.a. - 690 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MFCTKLKDLKITGECPFSLAPGQVPNESSEEAAGSSSE  
SCKATMPICQDIPEKNIQESLPQRKTSRSRVYLHTLAE  
SICKLIFPEFERLNVALQRTLAKHKIKESRKSLEDFE  
KTIAEQAVAAGVPVEVIKESLGEEVFKICYEEDENILGV  
VGGTLKDFLNSFSTLLKQSSHQCEAGKRGRLEDASILC  
LDKEDDFLHVYFFPKRTTSLILPGIIKAAHVLYETEVE  
VSLMPPCFHNDCESEFNQPYLLYSVHMKSTKPSLSPS  
KPQSSLVIPTSLFCKTFPFHFMFDKDMTILQFGNGIRRL  
MNRDFQGGKPNFEEYFEILTPKINQTFSGIMTMLNMQF  
VVRVRRWDNSVKKSSRVMDLKGQMIYIVESSAILFLGS  
PCVDRLEDFTGRGLYLSDIPIHNALRDVVLIGEQAQAQ  
DGLKKRLGKLEQAHAQALEEEKKTVDLLCSIFPC  
EVAQQLWQQVQAKKFSNVTMLFSDIVGFTAICSQC  
SPLQVITMLNLYTRFDQQCGELDVYKQVETIGDAYCVA  
GGLHKESDTHAVQIALMAVKMMELSDEVMSPHGEPK  
MRIGLHSGSVFAGVGVKMPRYCLFGNNVTLANKFES  
CSVPRKINVSPPTYRLLKDCPGFVFTPRSREELPPNFP  
SEIPGICHFLDAYQQGTNSKPCFQKKDVEDGNANFLG  
KASGID

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

**Theoretical MW (kDa):** 103.9

**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:** 2982

**Gene Symbol:** GUCY1A3

**Gene Alias:** GC-SA3, GUC1A3, GUCA3, GUCA3, GUCY1A1

**Gene Summary:** Soluble guanylate cyclase (sGC), a heterodimeric protein consisting of an alpha subunit, such as alpha-1 (GUCY1A3), and a beta subunit, typically beta-1 (GUCY1B3; MIM 139397), catalyzes conversion of GTP to the second messenger cGMP and functions as the main receptor for nitric oxide and nitrovasodilator drugs (Zabel et al., 1998 [PubMed 9742212]).[supplied by OMIM]