



# 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

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

### TCIRG1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00010312-P01

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

**Product Description:** Human TCIRG1 full-length ORF ( NP\_006044.1, 1 a.a. - 614 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MTFLISYWGEQIGQKIRKITDCFHCHVFPFLQQEEARL  
GALQQLQQSQELQEVLGETERFLSQVLGRVLQLLPP  
GQVQVHKMKAVYLALNQCSVSTTHKCLIAEAWCSVRD  
LPALQEALRDSSMEEGVSAVAHRIPCRDMPPTLIRTNR  
FTASFQGIVDAYGVGRYQEVNPAPYTIITFPFLFAVMF  
GDVGHGLLMFLFALAMVLAENRPAVKAQNEIWQTF  
RGRYLLLLMGLFSIYTGFIYNECFSRATSIFPSGWSVAA  
MANQSGWSDAFLAQHTMLTLDPNVTGVFLGYPYFGID  
PIWSLAANHLSFLNSFKMKMSVILGVVHMAFGVVLGVF  
NHVHFGQRHRLLETLPELTFLLGLFGYLVFLVIYKWL  
VWAARAASAPSILIHFINMFLFSHSPSNRLLYPRQEVV  
QATLVVLALAMVPILLGTPLHLLHRHRRRLRRRPADR  
QEENKAGLLDLPDASVNGWSSDEEKAGGLDDEEEAE  
LVPSEVLMHQAIHTIEFCLGCVSNTASYLRLWALSLAH  
AQLSEVLWAMVMRIGLGLGREVGVAAVVLVPIFAAFV  
MTVAILLVMEGLSAFLHALRLHWVEFQNKFYSGTGYKL  
SPFTFAATDD

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

**Theoretical MW (kDa):** 95.2

**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:** 10312

**Gene Symbol:** TCIRG1

**Gene Alias:** ATP6N1C, ATP6V0A3, Atp6i, OC-116kDa, OC116, OPTB1, Stv1, TIRC7, Vph1, a3

**Gene Summary:** Through alternate splicing, this gene encodes two proteins with similarity to subunits of the vacuolar ATPase (V-ATPase) but the encoded proteins seem to have different functions. V-ATPase is a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. V-ATPase is comprised of a cytosolic V1 domain and a transmembrane V0 domain. Mutations in this gene are associated with infantile malignant osteopetrosis. [provided by RefSeq]