



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

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

ABCG2 (Human) Recombinant Protein (P01)

Catalog Number: H00009429-P01

Regulation Status: For research use only (RUO)

Product Description: Human ABCG2 full-length ORF (AAH21281.1, 1 a.a. - 655 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MSSSNVEVFIPVSQGNTNGFPATASNDLKAFTEGAVL
SFHNICYRVKLGKSGFLPCRKPVEKEILSNINGIMKPLN
AILGPTGGGKSSLLDVLAARKDPSGLSGDVLINGAPRP
ANFKCNSGYVVQDDVVMGTLTVRENLQFSAALRLATT
MTNHEKNERINRVIQELGLDKVADSKVGTQFIRGVSG
GERKRTSIGMELITDPSILFLDEPTTGLDSSTANAVLLLL
KRMSKQGRITIFSIHQPRYSIFKLFDSLTLASGRLMFH
GPAQEALGYFESAGYHCEAYNNPADFFLDIINGDSTAV
ALNREEDFKATEIIEPSKQDKPLIEKLAIEYVNSSFYKET
KAELHQLSGGEKKKIVFKEISYTTSFCHQLRWVSKR
SFKNLLGNPQASIAQIIVTVVLGLVIGAIYFGLKNDSTGI
QNRAGVLFLLTNNQCFSSVSAVELFVVEKFLIHEYISG
YYRVSSYFLGKLLSDLLPMRMLPSIIFTCIVYFMLGLKP
KADAFFVMMFTLMMVAYSASSMALAIAAGQSVVSVAT
LLMTICFVMMIFSGLLVNLTTIASWLSWLQYFSIPRYG
FTALQHNEFLGQNFPCPLNATGNNPCNYATCTGEEYL
VKQGIDLSPWGLWKNHVALACMIVIFLTIAYLKLFLK
YS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 98.7

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: 9429

Gene Symbol: ABCG2

Gene Alias: ABC15, ABCP, BCRP, BCRP1, BMDP, CD338, CDw338, EST157481, MGC102821, MRX, MXR, MXR1

Gene Summary: The membrane-associated protein encoded by this gene is included in the superfamily of ATP-binding cassette (ABC) transporters. ABC proteins transport various molecules across extra- and intracellular membranes. ABC genes are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). This protein is a member of the White subfamily. Alternatively referred to as a breast cancer resistance protein, this protein functions as a xenobiotic transporter which may play a major role in multi-drug resistance. It likely serves as a cellular defense mechanism in response to mitoxantrone and anthracycline exposure. Significant expression of this protein has been observed in the placenta, which may suggest a potential role for this molecule in placenta tissue. [provided by RefSeq]