



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) 



Purified recombinant Green Fluorescent Protein (wild type)

 nordicmubio.com/product/purified-recombinant-green-fluorescent-protein-wild-type/

Catalogue number: **Bii-rGFP-100**

Product Type	Proteins & Peptides
Units	0.1mg
Application	ELISA Immunoblotting

Background

Green fluorescent protein (GFP) is a 27kD protein which was originally identified in the photo organs of *Aequorea victoria* (*A. victoria*) jellyfish. GFP is a naturally fluorescent protein which emits green light at a maximum wavelength of 509 nm when excited by blue or UV light. In *A.victoria*, calcium ions bind and activate the protein aequorin causing the release of blue fluorescence, which is then absorbed by GFP resulting in the release of green fluorescence. In the laboratory, the GFP protein has been used extensively as a reporter molecule to label, and study, cellular and subcellular proteins in living cells using a wide range of biological applications, including oncology, cardiovascular diseases, brain research, embryology and plant sciences, just to name a few. For the quantitation of the expression of a specific protein, tagged with GFP in these model systems, antibodies to GFP have proven to be of value in immunoblotting studies and ELISA protocols.

Source

Wild type recombinant GFP (from *A.victoria*) expressed in *E.coli* and purified by high resolution gel filtration.

Product

Each vial contains 100µg 1mg/ml purified recombinant GFP (wild type) in 10 mM TRIS buffer pH 8.0, containing 0.02% sodium azide.

Specificity

The purity of the recombinant GFP (wild type) protein is >98%, confirmed by SDS-polyacrylamide gel electrophoresis, specific absorbance peaks, HPLC and A397/280 ratios.

Storage

Maintain at -20°C in undiluted aliquots for up to 24 months after date of receipt. Avoid repeated freeze-thaw cycles.

References

Chalfie M, Tu Y, Euskirchen G, Ward WW, Prasher DC. (1994) Green fluorescent protein as a marker for gene expression. *Science* 263: 802-805.

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This datasheet is as accurate as reasonably achievable, but Nordic-MUBio accepts no liability for any inaccuracies or omissions in this information.

