



# 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) 

# CD235a (GLPA), Avi-His-Tag, Biotin-Labeled Recombinant

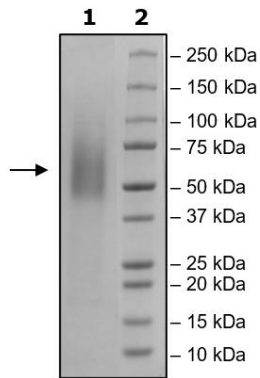
Catalog: 101106  
Lot: 220715

## Product Information

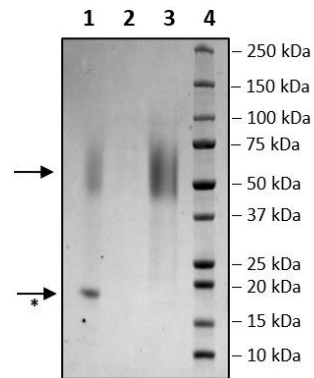
<b>Description:</b>	Recombinant human CD235a, also known as GYPA (Glycophorin A), encompassing amino acids 20-91. This construct contains a C-terminal Avi-Tag™, followed by an His-tag (6xHis). This protein was affinity purified.
<b>Background:</b>	CD235a, also known as Glycophorin A (GLPA), is a sialoglycoprotein and a major intrinsic membrane protein on the surface of human erythrocytes. CD235a plays an important role in the prevention of red cell aggregation in the circulatory system. The Glycophorin A gene contains some antigenic alleles of the MNS blood grouping system for which 40 known variants exist. Several of these antigenic variants have implications for pathogen interaction. For example, the Wright b antigen in the helical region of CD235a acts as a receptor for the malaria parasite <i>Plasmodium falciparum</i> . Other variations such as the Mur phenotype causes hemolytic transfusion reaction (HTR) and hemolytic disease in the newborn fetus (HDFN). CD235a is one of the most abundant integral proteins of the red cell membrane, and its genetic sequence varies within a population; therefore, it may also support applications in forensic science.
<b>Species:</b>	Human
<b>Construct:</b>	CD235a (GLPA) (20-91-Avi-His)-(Biotin)
<b>Concentration:</b>	0.17 mg/ml
<b>Expression System:</b>	HEK293
<b>Purity:</b>	≥90%
<b>Format:</b>	Aqueous buffer solution.
<b>Formulated In:</b>	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
<b>MW:</b>	11 kDa + glycans
<b>Glycosylation:</b>	This protein runs at a higher MW by SDS-PAGE due to glycosylation.
<b>Genbank Accession:</b>	NM_002099.7
<b>Label:</b>	This protein is enzymatically biotinylated using Avi-Tag™ technology. Biotinylation is confirmed to be ≥90%.
<b>Stability:</b>	At least 6 months at -80°C.
<b>Storage:</b>	-80°C
<b>Instructions for Use:</b>	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
<b>Applications:</b>	Useful for SDS-PAGE and avidin-pulldown assays.

## Quality Control Data

### 4-20% SDS-PAGE Coomassie Staining



### Biotin Avidin-Pulldown



1. Beads
2. Flow thru
3. Control
4. Standards

\* Avidin from beads.