



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### HBG1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00003047-P01

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

**Product Description:** Human HBG1 full-length ORF (AAH10913, 1 a.a. - 147 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MGHFTTEEDKATITSLWGVNVEDAGGETLGRLLVVYP  
WTQRFFDSFGNLSSASAVMGNPKVKAHGKKVLTSLG  
DAIKHLDDLKGTFAQLSELHCDKLHVDPENFKLLGNVL  
VTVLAIHFGKEFTPEVQASWQKMTGVASALSSRYH

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

**Theoretical MW (kDa):** 41.91

**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:** 3047

**Gene Symbol:** HBG1

**Gene Alias:** HBGA, HBGR, HSGGL1, PRO2979

**Gene Summary:** The gamma globin genes (HBG1 and HBG2) are normally expressed in the fetal liver, spleen and bone marrow. Two gamma chains together with two alpha chains constitute fetal hemoglobin (HbF) which is

normally replaced by adult hemoglobin (HbA) at birth. In some beta-thalassemias and related conditions, gamma chain production continues into adulthood. The two types of gamma chains differ at residue 136 where glycine is found in the G-gamma product (HBG2) and alanine is found in the A-gamma product (HBG1). The former is predominant at birth. The order of the genes in the beta-globin cluster is: 5'-epsilon -- gamma-G -- gamma-A -- delta -- beta--3'. [provided by RefSeq]