



# 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) 

## Datasheet

### HGD (Human) Recombinant Protein (P02)

**Catalog Number:** H00003081-P02

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

**Product Description:** Human HGD full-length ORF (AAH71757.1, 1 a.a. - 445 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAELKYISGFGNECSSDPRCPGSLPEGQNNPQVCP  
YNLYAEQLSGSAFTCPRSTNKRSWLYRILPSVSHKPFE  
SIDEGHVTHNWDEVDPDPNQLRWKPFIPKASQKKVD  
FVSGHLTLCGAGDIKSNNGLAIHIFLCNTSMENRCFYN  
SDGDFLIVPQKGNLLIYTEFGKMLVQPNEICVIQRGMR  
FSIDVFEETRGYILEVYGVHFELPDLPPIGANGLANPRD  
FLIPIAWYEDRQVPGGYTVINKYQGKLF AAKQDVSPFN  
VVAWHGNYTPYKYNLKNFMVINSVAFDHADPSIFTVLT  
AKSVRPGVAIADFVIFPPRWGVADKTRPPYYHRNCM  
SEFMGLIRGHYEAKQGGFLPGGGSLHSTMTPHGPDA  
DCFEEKASKVKLAPERIADGTMAFMFESSLSLAVTKWG  
LKASRCLDENYHKCWEPLKSHFTPNRNP AEPN

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

**Theoretical MW (kDa):** 76.4

**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:** 3081

**Gene Symbol:** HGD

**Gene Alias:** AKU, HGO

**Gene Summary:** Homogentisate 1,2-dioxygenase (HGD) gene mutations are the molecular cause of alkaptonuria, a rare hereditary disorder of the phenylalanine catabolism. The highest expression of HGD is in the prostate, small intestine, colon, and liver. The HGD gene contains 14 exons. Conflicting reports have placed the gene at 3q2, 3q13.3-q21, 3q21-q24, 3q21-q23, or 3q25-q26. [provided by RefSeq]