



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### TYR (Human) Recombinant Protein (P01)

**Catalog Number:** H00007299-P01

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

**Product Description:** Human TYR full-length ORF ( AAH27179.1, 1 a.a. - 377 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MLLAVLYCLLWSFQTSAGHFPRACVSSKNLMEKECCP  
PWSGDRSPCGQLSGRGSCQNILLSNAPLGPQFPFTG  
VDDRESWPSVFYRNRTCQCSGNFMGFNCGNCKFGFW  
GPNCTERRLLVRRNIFDLSAPEKDKFFAYLTLAKHTISS  
DYVIPIGTYGQMKNGSTPMFNDINIYDLFVWMHYYVS  
MDALLGGSEIWRDIDFAHEAPFLPWHRFLLRWEQEI  
QKLTGDENFTIPYWDWRDAEKCDICTDEYMGQHP  
NPNLLSPASFFSSWQIVCSRLEEYNSHQPLCNGTPEG  
PLRRNPGNHDKSRTPLPSSADVEFCLSLTQYESGSM  
DKAANFSFRNTLEEMGFLHVGWAGLKLLTSRDP  
PPW PPKMLGLQA

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

**Theoretical MW (kDa):** 67.21

**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:** 7299

**Gene Symbol:** TYR

**Gene Alias:** OCA1A, OCAIA, SHEP3

**Gene Summary:** The enzyme encoded by this gene catalyzes the first 2 steps, and at least 1 subsequent step, in the conversion of tyrosine to melanin. The enzyme has both tyrosine hydroxylase and dopa oxidase catalytic activities, and requires copper for function. Mutations in this gene result in oculocutaneous albinism, and nonpathologic polymorphisms result in skin pigmentation variation. The human genome contains a pseudogene similar to the 3' half of this gene. [provided by RefSeq]

**References:**

1. Development of Immunologic Assays to Measure Response in Horses Vaccinated with Xenogeneic Plasmid DNA Encoding Human Tyrosinase. Lembcke LM, Kania SA, Blackford JT, Trent DJ, Odoi A, Grosenbaugh DA, Fraser DG, Leard T, Phillips JC. Journal of Equine Veterinary Science doi:10.1016/j.jevs.2012.02.011