



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### GSTP1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00002950-P01

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

**Product Description:** Human GSTP1 full-length ORF (AAH10915, 1 a.a. - 210 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MPPYTVVYFPVRGRCAALRMLLADQGQSWKEEVVTV  
ETWQEGSLKASCLYGQLPEFQDGDLTLYQSNTILRHL  
GRTLGLYGKDKQEAALVDMVNDGVEDLRCKYVSLIYT  
NYEAGKDDYVKALPGQLKPFETLLSQNQGGKTFIVGD  
QISFADYNLLDLLLIHEVLAPGCLDAFPLLSAYVGRLSA  
RPKLKAFLASPEYVNLPIGNGKQ

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

**Theoretical MW (kDa):** 48.84

**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:** 2950

**Gene Symbol:** GSTP1

**Gene Alias:** DFN7, FAES3, GST3, PI

**Gene Summary:** Glutathione S-transferases (GSTs) are a family of enzymes that play an important role in

detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. This GST family member is a polymorphic gene encoding active, functionally different GSTP1 variant proteins that are thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases. [provided by RefSeq]

**References:**

1. Single dose GSTP1 prevents infarction-induced heart failure. Andrukhova O, Salama M, Krssak M, Wiedemann D, El-Housseiny L, Hacker M, Gildehaus FJ, Andrukhov O, Mirzaei S, Kocher A, Zuckermann A, Aharinejad S J Card Fail. 2014 Jan 9. pii: S1071-9164(13)01262-1. doi: 10.1016/j.cardfail.2013.11.012.
2. Improvement of protein immobilization for the elaboration of tumor-associated antigen microarrays: Application to the sensitive and specific detection of tumor markers from breast cancer sera. Yang Z, Chevolut Y, Gehin T, Solassol J, Mange A, Souteyrand E, Laurenceau E. Biosensors and Bioelectronics, <http://dx.doi.org/10.1016/j.bios.2012.08.019>