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Lieferung & Zahlungsart

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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

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

GSTM1 (Human) Recombinant Protein (P02)

Catalog Number: H00002944-P02

Regulation Status: For research use only (RUO)

Product Description: Human GSTM1 full-length ORF (AAH24005.1, 1 a.a. - 181 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MPMILGYWDIRGLAHAIRLLLEYTDSSYEKKYTMGDA
PDYDRSQWLNEKFKLGLDFPNLPYLIDGAHKITQSNAI
LCYIARKHNLCGETEEEEKIRVDILENQTMDNHMQLGMI
CYNPEFEKLPKYLEELPEKLLYSEFLGKRPWFAGN
KGLEKISAYMKSSRFLPRPVFSKMAVWGNK

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 47.7

Interspecies Antigen Sequence: Mouse (69); Rat (67)

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: 2944

Gene Symbol: GSTM1

Gene Alias: GST1, GSTM1-1, GSTM1a-1a, GSTM1b-1b, GTH4, GTM1, H-B, MGC26563, MU, MU-1

Gene Summary: Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. At present, eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. This gene encodes a glutathione S-transferase that belongs to the mu class. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. The genes encoding the mu class of enzymes are organized in a gene cluster on chromosome 1p13.3 and are known to be highly polymorphic. These genetic variations can change an individual's susceptibility to carcinogens and toxins as well as affect the toxicity and efficacy of certain drugs. Null mutations of this class mu gene have been linked with an increase in a number of cancers, likely due to an increased susceptibility to environmental toxins and carcinogens. Multiple protein isoforms are encoded by transcript variants of this gene. [provided by RefSeq]