



# 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

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## GSTM5 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00002949-T01

規格 : [ 100 uL ]

List All

### Specification

**Transfected Cell Line:** 293T

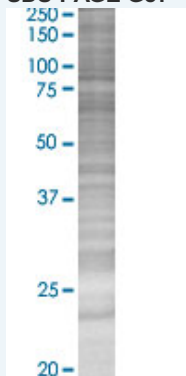
**Plasmid:** pCMV-GSTM5 full-length

**Host:** Human

**Theoretical MW (kDa):** 25.7

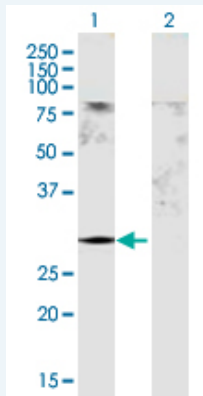
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-GSTM5 antibody (H00002949-B01P) by Western Blots.

#### SDS-PAGE Gel



GSTM5 transfected lysate.

#### Western Blot



Lane 1: GSTM5 transfected lysate ( 25.70 KDa)

Lane 2: Non-transfected lysate.

**Storage Buffer:** 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**MSDS:**  [Download](#)

### Applications

## Western Blot

### Gene Information

Entrez GeneID: [2949](#)

GeneBank [NM\\_000851.2](#)  
Accession#:

Protein [NP\\_000842.2](#)  
Accession#:

Gene Name: [GSTM5](#)

Gene Alias: [GSTM5-5,GTM5](#)

Gene Description: [glutathione S-transferase mu 5](#)

Omim ID: [138385](#)

Gene Ontology: [Hyperlink](#)

**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. Diversification of these genes has occurred in regions encoding substrate-binding domains, as well as in tissue expression patterns, to accommodate an increasing number of foreign compounds. [provided by RefSeq]

**Other Designations:** [GST class-mu 5,OTTHUMP00000013359,S-\(hydroxyalkyl\)glutathione lyase M5,glutathione S-alkyltransferase M5,glutathione S-aralkyltransferase M5,glutathione S-aryltransferase M5,glutathione S-transferase M5](#)

### Gene Pathway

[Drug metabolism - cytochrome P450](#) [Glutathione metabolism](#)  
[Metabolism of xenobiotics by cytochrome P450](#)

### Related Disease

[Alzheimer Disease](#) [Alzheimer disease](#) [Breast Neoplasms](#) [Cognition](#)  
[Coronary Artery Disease](#) [Coronary Disease](#) [Genetic Predisposition to Disease](#)  
[Head and Neck Neoplasms](#) [Hypertension](#) [Lung Neoplasms](#) [Neoplasm Recurrence, Local](#)  
[Neoplasms, Second Primary](#) [Prenatal Exposure Delayed Effects](#)