



# 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) 

## GSTA3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # : H00002940-T01

規格 : [ 100 uL ]

[List All](#)

### Specification

**Transfected Cell Line:** 293T

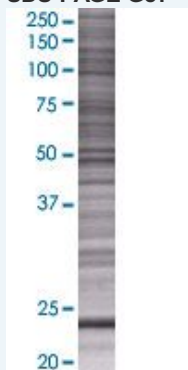
**Plasmid:** pCMV-GSTA3 full-length

**Host:** Human

**Theoretical MW (kDa):** 24.53

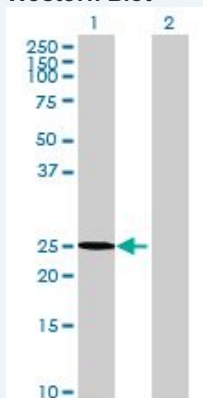
**Quality Control Testing:** Transient overexpression cell lysate was tested with Anti-GSTA3 antibody ([H00002940-B01](#)) by Western Blots.

#### SDS-PAGE Gel



GSTA3 transfected lysate.

#### Western Blot



Lane 1: GSTA3 transfected lysate ( 24.53 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: [2940](#)

GeneBank [BC020619.1](#)  
Accession#:

Protein [AAH20619.1](#)  
Accession#:

Gene Name: GSTA3

Gene Alias: GSTA3-3,GTA3,MGC22232

Gene Description: glutathione S-transferase alpha 3

Omim ID: [605449](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** Cytosolic and membrane-bound forms of glutathione S-transferase are encoded by two distinct supergene families. These enzymes are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. 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 belonging to the alpha class genes that are located in a cluster mapped to chromosome 6. Genes of the alpha class are highly related and encode enzymes with glutathione peroxidase activity. However, during evolution, this alpha class gene diverged accumulating mutations in the active site that resulted in differences in substrate specificity and catalytic activity. The enzyme encoded by this gene catalyzes the double bond isomerization of precursors for progesterone and testosterone during the biosynthesis of steroid hormones. An additional transcript variant has been identified, but its full length sequence has not been determined. [provided by RefSeq]

**Other Designations:** GST class-alpha,OTTHUMP00000016615,S-(hydroxyalkyl)glutathione lyase A3,glutathione S-alkyltransferase A3,glutathione S-aralkyltransferase A3,glutathione S-aryltransferase A3,glutathione S-transferase A3-3

### Gene Pathway

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

### Related Disease

[Alzheimer Disease](#) [Alzheimer disease](#) [Cognition](#) [Lung Neoplasms](#)