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- 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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GSTM3 293T Cell Transient Overexpression Lysate(Denatured)

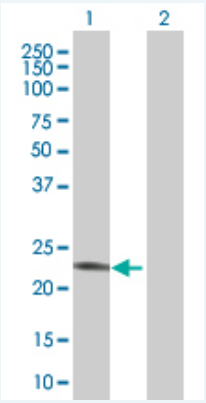
Catalog # : H00002947-T02 **規格 :** [100 uL]

List All

Specification

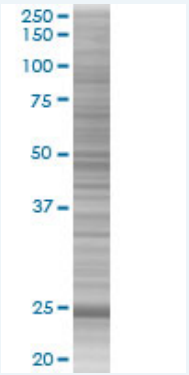
Transfected Cell Line:	293T
Plasmid:	pCMV-GSTM3 full-length
Host:	Human
Theoretical MW (kDa):	26.6
Quality Control Testing:	Transient overexpression cell lysate was tested with Anti-GSTM3 antibody (H00002947-B02) by Western Blots.

Western Blot



Lane 1: GSTM3 transfected lysate (26.6 KDa)
Lane 2: Non-transfected lysate.

SDS-PAGE Gel



GSTM3 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

Application Image

Western Blot

Western Blot

Gene Information

Entrez GeneID:	2947
GeneBank Accession#:	NM_000849.3
Protein Accession#:	-
Gene Name:	GSTM3
Gene Alias:	GST5,GSTB,GSTM3-3,GTM3,MGC3310,MGC3704
Gene Description:	glutathione S-transferase mu 3 (brain)
Omim ID:	138390
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. Mutations of this class mu gene have been linked with a slight increase in a number of cancers, likely due to exposure with environmental toxins. Alternative splicing results in multiple transcript variants. [provided by RefSeq
Other Designations:	GST class-mu 3,OTTHUMP00000013355,S-(hydroxyalkyl)glutathione lyase M3,brain GST,brain type mu-glutathione S-transferase,glutathione S-alkyltransferase M3,glutathione S-aralkyltransferase M3,glutathione S-aryltransferase M3,glutathione S-transferase M3 (b

Gene Pathway

Drug metabolism - cytochrome P450 Glutathione metabolism
Metabolism of xenobiotics by cytochrome P450

Related Disease

Adenocarcinoma Adenoma Alzheimer Disease Alzheimer disease Asthma Asthma
Brain Neoplasms Breast cancer Breast Neoplasms Carcinoma, Basal Cell
Carcinoma, Hepatocellular Carcinoma, Non-Small-Cell Lung Carcinoma, Squamous Cell
Carcinoma, Transitional Cell Cardiovascular Diseases Chronic Disease Cleft Lip
Cleft Palate Cognition

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