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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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GSTM4 293T Cell Transient Overexpression Lysate(Denatured)

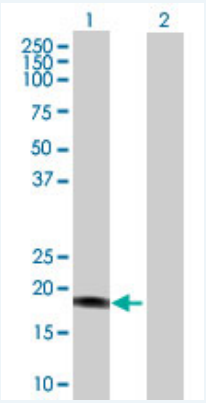
Catalog # : H00002948-T01 **規格 :** [100 uL]

List All

Specification

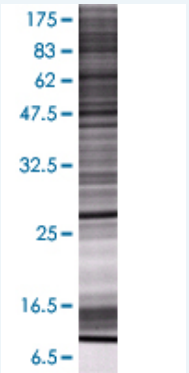
Transfected Cell Line:	293T
Plasmid:	pCMV-GSTM4 full-length
Host:	Human
Theoretical MW (kDa):	24.09
Quality Control Testing:	Transient overexpression cell lysate was tested with Anti-GSTM4 antibody (H00002948-B01) by Western Blots.

Western Blot



Lane 1: GSTM4 transfected lysate (24.09 KDa)
Lane 2: Non-transfected lysate.

SDS-PAGE Gel



GSTM4 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:	2948
GeneBank Accession#:	NM_000850.3
Protein Accession#:	NP_000841.1
Gene Name:	GSTM4
Gene Alias:	GSTM4-4,GTM4,MGC131945,MGC9247
Gene Description:	glutathione S-transferase mu 4
Omim ID:	138333
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. Multiple transcript variants, each encoding a distinct protein isoform, have been identified. [provided by RefSeq
Other Designations:	GST class-mu 4,GTS-Mu2,OTTHUMP00000013356,OTTHUMP00000013358,S-(hydroxyalkyl)glutathione lyase M4,glutathione S-alkyltransferase M4,glutathione S-aralkyltransferase M4,glutathione S-aryltransferase M4,glutathione S-transferase M4

Gene Pathway

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

Related Disease

Alzheimer Disease Alzheimer disease Arthritis, Rheumatoid Breast Neoplasms Carcinoma, Squamous Cell Cardiovascular Diseases Cognition Coronary Artery Disease Coronary Disease Diabetes Mellitus, Type 2 Edema Genetic Predisposition to Disease Head and Neck Neoplasms Hearing Loss Hypertension Kidney Failure, Chronic Lung Neoplasms Neoplasms, Second Primary Prenatal Exposure Delayed Effects

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