

## Recombinant Human GSTM4 293 Cell Lysate

Cat. No. GSTM4-5711HCL Lot. No. (See product label)

### SPECIFICATION

|                            |   |
|----------------------------|---|
| <b>Species</b>             | Human   |
| <b>Source</b>              | HEK293  |
| <b>Description</b>         | Antigen standard for glutathione S-transferase mu 4 (GSTM4), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.   |
| <b>Components</b>          | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| <b>Size</b>                | 0.1 mg  |
| <b>Storage Instruction</b> | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.   |
| <b>Applications</b>        | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the   |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | GSTM4 glutathione S-transferase mu 4 [ Homo sapiens ]   |
| <b>Official Symbol</b>     | GSTM4   |
| <b>Synonyms</b>            | GSTM4; glutathione S-transferase mu 4; glutathione S transferase M4; glutathione S-transferase Mu 4; GST-Mu2; GTS-Mu2; GST class-mu 4; glutathione S-transferase M4; glutathione S-aryltransferase M4; glutathione S-alkyltransferase M4; glutathione S-aralkyltransferase M4; S-(hydroxyalkyl)glutathione lyase M4; GTM4; GSTM4-4; MGC9247; MGC131945; |
| <b>Gene ID</b>             | 2948  |
| <b>mRNA Refseq</b>         | NM_000850   |
| <b>Protein Refseq</b>      | NP_000841   |
| <b>MIM</b>                 | 138333  |
| <b>UniProt ID</b>          | Q03013  |
| <b>Chromosome Location</b> | 1p13  |
| <b>Pathway</b>             | Biological oxidations, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Glutathione conjugation, organism-specific biosystem; Glutathione metabolism, organism-specific biosystem; Glutathione metabolism, conserved                                |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



biosystem; Metabolism, organism-specific biosystem;

**Function**

glutathione transferase activity; transferase activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA