

## Recombinant Human MRI1, GST-tagged

Cat. No. MRI1-972H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human MRI1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                          |
| Species          | Human                                                                                                                                                             |
| Source           | E.coli                                                                                                                                                            |
| ProteinLength    | 1-369aa                                                                                                                                                           |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

### GENE INFORMATION

|                 |                                                                                                                                                                                                                              |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | MRI1 methylthioribose-1-phosphate isomerase homolog (S. cerevisiae) [ Homo sapiens ]                                                                                                                                         |
| Official Symbol | MRI1                                                                                                                                                                                                                         |
| Synonyms        | MRI1; methylthioribose-1-phosphate isomerase homolog (S. cerevisiae); methylthioribose-1-phosphate isomerase; MGC3207; MTNA; Ypr118w; M1Pi; MTR-1-P isomerase; mediator of RhoA-dependent invasion; S-methyl-5-thioribose-1- |

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|                            |                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                            | phosphate isomerase; translation initiation factor eIF-2B subunit alpha/beta/delta-like protein;                                                                                                                                                                                                                                                                                                            |
| <b>Gene ID</b>             | 84245                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_001031727                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_001026897                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>UniProt ID</b>          | Q9BV20                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | 19p13.13                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Pathway</b>             | Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Metabolism of polyamines, organism-specific biosystem; Methionine salvage pathway, organism-specific biosystem; |
| <b>Function</b>            | S-methyl-5-thioribose-1-phosphate isomerase activity; identical protein binding; isomerase activity;                                                                                                                                                                                                                                                                                                        |