

# Recombinant *Schistosoma japonicum* GST Protein

**Cat. No.** GST-307S    **Lot. No.** (See product label)

## SPECIFICATION

|                             |                                                                                                                                                                                                                          |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Glutathione S-transferase (P08515) (Met 1-Lys 218), with additional 11 amino acids at the C-terminus, was expressed and purified.                                                                            |
| <b>Species</b>              | <i>Schistosoma japonicum</i>                                                                                                                                                                                             |
| <b>Source</b>               | Insect Cells                                                                                                                                                                                                             |
| <b>Predicted N Terminal</b> | Met 1                                                                                                                                                                                                                    |
| <b>Form</b>                 | Lyophilized from sterile 50mM Tris, 100mM NaCl, 2mM GSH, pH 8.0, 5%~8% trehalose and mannitol.                                                                                                                           |
| <b>Molecular Mass</b>       | The recombinant Glutathione S-transferase (GST) consists of 229 amino acids and predicts a molecular mass of 26.9 kDa. The apparent molecular mass of GST is approximately 28 kDa in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.                                                                                                                                                          |
| <b>Purity</b>               | >95 % as determined by SDS-PAGE.                                                                                                                                                                                         |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70°C.                                                                                                                                                |
| <b>Storage</b>              | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                                                                |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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