

**Recombinant GST protein (rGST)****Catalog Number: 5003-100UG, 5003-200UG, 5003-500UG***Produced and purified from E.coli***Product Description**

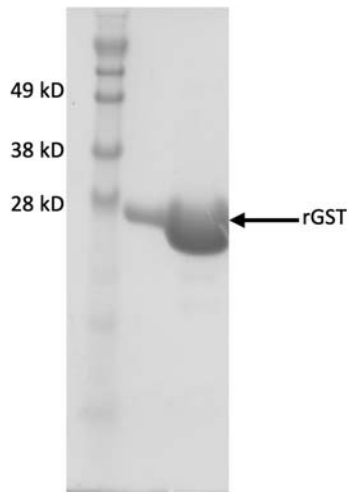
Name:	Glutathione S-transferase
Synonyms:	GST
Species:	<i>Schistosoma japonicum</i>
Amino acids:	1 to 218
Predicted Molecular Weight:	26 kDa
Protein ID:	P08515 (GST26_SCHJA)

AA Sequence:

MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIADKH
NMLGGCPKERAETSMLEGAVLDIRYGVSR IAYSKDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTHPDFMLYDA
LDVVLYMDPMCLDAFPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQGWQATFGGGDHPPK*

**Recombinant proteins are expressed from synthetic genes. DAPCEL Inc. synthetic gene design technology provides highest protein quality in terms of protein folding and bioactivity.*

Product specifications**Estimated Molecular Weight, SDS-PAGE: 26 kDa (shown below).****Grade & Purity:** >99%, (according to SDS-PAGE stained with SimplyBlue SafeStain, (Invitrogen)).**Endotoxins:** Less than 0.1 ng/μg (1 IEU/μg), as measured by LAL method.**Bioactivity:** N/D**Formulation:** 1.0 mg/mL in 20mM Tris-HCl, 150mM NaCl pH 8.5; frozen.



Shipping

Product is shipped on dry ice. Upon receipt, store at -80°C.

Storage

To avoid loss of the protein, store the protein in aliquots at -80°C. Avoid repeated freeze-thaw cycles.

Stability

12 months from the date of receipt, stored at -20 to -80 °C as supplied.

Application Note: For research purposes only. Not for use in humans.

GST background information:

GST is involved in conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles.

Cardoso, et al (2003) Proteins, 51, 137–146