

Schistosoma japonicum Recombinant GST

CATALOG #:	6351-100	100 µg
ALTERNATE NAMES:	Glutathione S-Transferase class-mu 26 kDa isozyme, Sj26 antigen, SjGST.	
SOURCE:	E.Coli	
PURITY:	> 95% by SDS - PAGE	
MOL. WEIGHT:	28.3 kDa (244 aa, 1-224 aa + NT His Tag)	
FORMULATION:	1 mg/ml solution in PBS (pH 7.4) containing 10% glycerol.	

STORAGE CONDITIONS:

Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

DESCRIPTION:

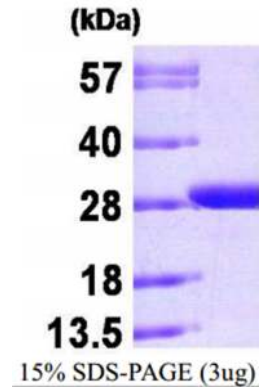
Glutathione S-transferase (GST) represents a major group of detoxification enzymes. It acts by catalyzing the reaction of glutathione with an acceptor molecule to form an S-substituted glutathione (S=sulfur). The reactions utilizing glutathione contribute to the transformation of a wide range of compounds, including carcinogens, therapeutic drugs, and products of oxidative stress. Apart from its enzymatic activities, GST may also bind toxins and function as a transport protein.

AMINO ACID SEQUENCE:

MGSSHHHHHH SSSLVPRGSH MSPILGYWKI KGLVQPTRL L LEYLEEKYEE
HLYERDEGDK WRNKKFELGL EFPNLPYYID GDVKLTQSMA IIRYIADKHN MLGGCPKERA
EISMLEGAVL DIRYGVSRIA YSKDFETLKV DFLSKLPEML KMFEDRLCHK TYLNGDHVTH
PDFMLYDALD VVLYMDPMCL DAFPKLVCFK KRIEAIQID KYLKSSKYIA WPLQGWQATF
GGGDHPPKSD LVPR

BIOLOGICAL ACTIVITY:

Specific activity is 2.8 – 3.3 units/mg, and is defined as the amount of enzyme that conjugates 1.0 µ mole of 1-chloro-2, 4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25°C.



Human Recombinant GST

RELATED PRODUCTS:

- GST Colorimetric Activity Assay Kit (Cat. No. K263-100)
- GST Fluorometric Activity Assay Kit (Cat. No. K260-100)
- GST Inhibitor-1 (Cibacron Blue 3G-A, Sodium Salt) (Cat. No. 1555R-1000)
- GST Inhibitor-2 (Ethacrynic acid) (Cat. No. 1556-1000)
- Human recombinant GSTA1 (Cat. No. 6346-100)
- Human recombinant GSTP1 (Cat. No. 6347-100)
- Mouse recombinant GSTMu1 (Cat. No. 6348-100)
- Mouse recombinant GSTM1 (Cat. No. 6349-100)
- Human recombinant GSTM2 (Cat. No. 6350-100)
- Human recombinant GSR (Cat. No. 6352-100)

FOR RESEARCH USE ONLY! Not to be used in humans.