

GST, 1-224aa, Schistosoma japonicum, His-tag, E.coli

Cat.NO.: TP02347

3th Edition

Synonyms:Glutathione S-Transferase class-mu 26 kDa isozyme, Sj26 antigen, SjGST

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

Form:Liquid. In Phosphate buffered saline (pH7.4), 10% glycerol

Molecular Weight:28.3 kDa (244aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNL
PYYIDGDVKTQSMAIIRYIADKHNMLGGCPKERAIEISMLEGAVLDIRYGVSR IAYSKDFETLKVDFLSKLPEMLKMF
DRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAIQIDKYLKSSKYIAWPLQG WQATF
GGGDHPPKSDLVPR

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage: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.