



# GST

Datasheet, Version 2/2016

protean

On the bow of top biotechnology

Catalog #	956
Synonyms	Glutathione S-transferase tag free
Type	Recombinant
Source	E. coli
Species	Schistosoma japonicum
Tag	
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Gel pack

### Introduction

Glutathione S-transferase is an antioxidant enzyme, which is often used to be expressed as a tag to separate and purify recombinant proteins by affinity chromatography via its high affinity for glutathione.

### Description

Glutathione S-transferases (GSTs) form a family of eukaryotic and prokaryotic metabolic enzymes known for their ability to catalyze the conjugation of the reduced form of glutathione (GSH) to various substrates for the purpose of detoxification. It belongs to a major group of detoxification enzymes able to detoxify a wide range of dangerous compounds, such as carcinogens, therapeutic drugs and products of oxidative stress. GST may also bind toxins and function as a transport protein. It is often used as a tag for recombinant protein expression and purification. The tag is 220 amino acids (about 26 KDa) in size and contributes to protein solubility.

### Application

Recombinant protein expression, affinity chromatography.

### Purification method

Affinity chromatography

### Formulation

Supplied as frozen liquid, 1 mg/ml.

### Specificity

Binds glutathione (GSH) with high affinity.

### Storage

-20C

**Analyte specific reagent (ASR) manufactured under ISO 13485.**

