

Catalog #	1584
Synonyms	Yellow Fluorescent Glutathione S-transferase
Type	Recombinant
Source	<i>E. coli</i>
Species	<i>Schistosoma japonicum</i>
Tag	YFP
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Gel pack

## Introduction

Yellow Fluorescent Glutathione S-transferase, genetically labeled. GST 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. GST fusion protein with yellow mutant of superfolder GFP-T203Y.

## 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 is often used as a tag for recombinant protein expression and purification. The GST-YFP fusion protein is about 54 KDa in size.

## Application

Recombinant protein expression, affinity chromatography.

## Purification method

Affinity chromatography

## Formulation

Supplied as frozen liquid, 1 mg/ml, 30mM Tris pH 8,2, 50mM NaCl, 40% glycerol. May contain traces of free glutathione. A version completely free of glutathione (GSH) with a free binding site available upon request.

## Specificity

Binds glutathione (GSH) with high affinity.

## Storage

-80C

**Analyte specific reagent (ASR) manufactured under ISO 13485.**  
**Country of origin: Czech Republic**