GST-GFP

Datasheet, Version 2/2016

protean
Forefront of Biotechnology

Catalog #	815
Synonyms	Fluorescent Glutathione S-transferase
Type	Recombinant
Source	E. coli
Species	Schistosoma japonicum
Tag	GFP
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Gel pack

Introduction

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.

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-superfolder GFP 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, 50mM Tris pH 8,2, 50mM NaCl, 40% glycerol. May contain traces of free glutathion. A version completely free of glutathion (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

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