GST-BFP

Datasheet, Version 2/2016

protean
Forefront of Biotechnology

Catalog #	1585
Synonyms	Blue Fluorescent Glutathione S-transferase
Type	Recombinant
Source	E. coli
Species	Schistosoma japonicum
Tag	YFP
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Gel pack

Introduction

Blue 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 blue mutant of superfolder GFP-Y66H.

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-BFP 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 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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