

Recombinant *Schistosoma japonicum* Glutathione S-transferase, YFP-tagged

Cat. No. GST-003S Lot. No. (See product label)

SPECIFICATION

Product Overview	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.
Species	<i>Schistosoma japonicum</i>
Source	E.coli
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.
Tag	Non
Conjugation/Label	YFP
Form	Liquid
Molecular Mass	54 kDa
Purity	> 95% by SDS-PAGE

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Specificity	Binds glutathione (GSH) with high affinity.
Applications	Recombinant protein expression, affinity chromatography.
Storage	At -80 centigrade.
Concentration	1 mg/mL
Storage Buffer	Supplied as frozen liquid, 30mM Tris pH 8,2, 50mM NaCl, 40% glycerol.
Shipping	Gel pack
GENE INFORMATION	
Official Symbol	GST
Synonyms	GST; Glutathione S-transferase; GST-YFP; Yellow Fluorescent Glutathione S-transferase

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