

Purify GST-fusion proteins with Thermo Scientific Pierce Immobilized Glutathione Agarose

Special **30% Discount**

High-purity, high-yield fusion protein purification.

Thermo Scientific Pierce Immobilized Glutathione Resin selectively recovers glutathione S-transferase (GST)-fusion proteins from cell lysates. Commonly used for purification from *E. coli* cultures, Pierce® Immobilized Glutathione also works in protein pull-down assays. Our 6% beaded agarose and highly purified glutathione reduce nonspecific binding to deliver high purity protein.

Highlights:

- **High yield** – ≥ 10mg GST fusion protein/mL resin
- **Economical** – low price and resin can be reused for multiple purifications
- **Scale up** – bulk discounts available for large-volume protein purification
- **Compatible** – resin works with bacterial or mammalian cell lysates
- **Flexible** – different sizes available for microgram- to kilogram-scale purification

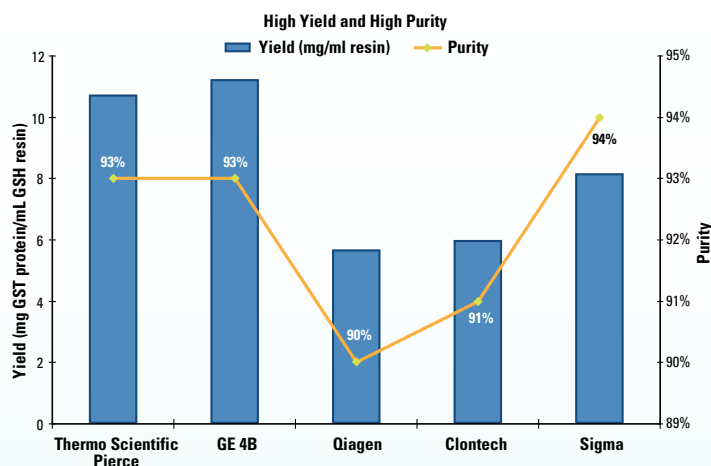


Figure 1. Thermo Scientific Pierce Glutathione Agarose delivers high yield and high purity GST-fusion proteins. *E. coli* lysate (14.4mg total protein) containing over-expressed GST was incubated with 50µl GSH-resin from various vendors and purified per manufacturers' instructions. The amount of GST eluted from the resin (yield) was quantified by Thermo Scientific Coomassie Plus Assay. Purity was assessed by densitometry using the VersaDoc™ Quantity One Software.

Immobilized Glutathione Agarose Characteristics

Binding Capacity	≥ 25mg pure GST/mL resin or ≥ 10mg GST-Fusion Protein/mL resin	
Specificity	Selectively binds Glutathione S-transferase	
Support	Crosslinked 6% Beaded Agarose	Optimal for column centrifugation or FPLC (up to 2mL/mm)
Packaging	50% Resin Slurries	Ideal for packing your own column
	FPLC Chromatography Cartridges	1mL and 5mL cartridges that connect directly to your FPLC
	Packed Spin Columns	0.2, 1 and 3mL pre-packed spin columns for centrifuge protocols
	GST Purification Kits (2 sizes)	Complete with spin columns and buffers for binding and eluting GST fusion proteins
	Large-Volume Package	Custom sizes and large-volume discount to perform large-scale protein purification



Thermo Scientific Pierce Immobilized Glutathione Agarose

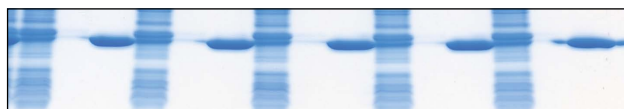


Recover GST-fusion Proteins for 30% Less!

Purchase any of the highlighted products with Product #s ending in "PR" before Dec. 30, 2010, and pay **30% less than the normal list price**. You must order using the "PR" suffix to get the discount pricing. Not valid on previously placed orders. Outside the United States, please contact your local distributor for pricing and participation. Void where prohibited.

Reuse without Loss of Functionality

FT W E FT W E FT W E FT W E FT W E



GST yield	1 st use	2 nd use	3 rd use	4 th use	5 th use
	332µg	335µg	327µg	344µg	342µg

Figure 2. Reuse Thermo Scientific Pierce Glutathione Agarose without loss in protein purification efficiency. 1.5mg of *E. coli* lysate over-expressing GST was added to a Pierce Immobilized Glutathione Agarose 50µl spin column. The column was washed and GST protein was eluted with 125mM Tris, 150mM sodium chloride and 10mM glutathione. Pierce Immobilized Glutathione was regenerated between each use with regeneration buffers. FT= flow through, W= wash and E= elution of GST.

Request your copy of the **Protein Interaction Technical Handbook** or go online to view a pdf.

The study of protein interactions is vital for understanding protein function within the cell. This handbook provides background, helpful hints and troubleshooting for methods used to study these interactions, including IP and co-IP, pull-downs, far-Western blotting, and crosslinking.



www.thermoscientific.com/pierce

Ordering Information

Product #	Description	Pkg. Size
PI-16100	Pierce Glutathione Agarose	10mL
PI-16100PR	Pierce Glutathione Agarose <i>Hurry! Special pricing ends Dec. 30, 2010.</i>	10mL
PI-16101	Pierce Glutathione Agarose	100mL
PI-16102	Pierce Glutathione Agarose	500mL
PI-16103	Pierce Glutathione Spin Columns, 0.2mL	25 columns
PI-16104	Pierce Glutathione Spin Columns, 1mL	5 columns
PI-16105	Pierce Glutathione Columns, 3mL	5 columns
PI-16105PR	Pierce Glutathione Spin Columns, 3mL <i>Hurry! Special pricing ends Dec. 30, 2010.</i>	5 columns
PI-16106	Pierce GST Spin Purification Kit, 0.2mL	25-column kit
PI-16107	Pierce GST Spin Purification Kit, 1mL	5-column kit
PI-16108	Pierce GST Spin Purification Kit, 3mL	5-column kit
PI-16109	Pierce Glutathione Chromatography Cartridges, 1mL	5 cartridges
PI-16109PR	Pierce Glutathione Chromatography Cartridges, 1mL <i>Hurry! Special pricing ends Dec. 30, 2010.</i>	5 cartridges
PI-16110	Pierce Glutathione Chromatography Cartridges, 5mL	2 cartridges
PI-16110PR	Pierce Glutathione Chromatography Cartridges, 5mL <i>Hurry! Special pricing ends Dec. 30, 2010.</i>	2 cartridges

Need a larger quantity?

Call our Bulk and Custom department at 1-800-874-3723 or +1 815-968-0747 ext. 300 for pricing and information. Or, visit www.thermoscientific.com/protein-custom



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