

Glutathione-Superflow Resin

Catalog Nos.	Amount	Lot Number
635607	10 ml	Specified on product label.
635608	100 ml	Specified on product label.

Description

Affinity adsorbent-based immobilized resin based on cross-linked agarose Superflow for the purification of recombinant glutathione S-transferase (GST)-tagged biomolecules under native conditions. This resin permits one-step purification of GST-tagged recombinant proteins under flow rates up to 15 ml/cm²/min and pressures up to 150 psi for production-scale applications.

Package Contents

<u>635607</u>	<u>635608</u>	
10 ml	100 ml	Glutathione-Superflow Resin

Storage Conditions

- Store at 4°C.

Expiration Date

- Specified on product label.

Storage Buffer

- Nonbuffered 20% ethanol slurry

Shipping Conditions

- Room temperature

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Glutathione Resin User Manual

Quality Control Data

Glutathione S-transferase binding capacity

Each lot of Glutathione-Superflow Resin is guaranteed to have a minimum glutathione S-transferase binding capacity of 5 mg/ml of settled resin.

Test conditions

500 µl of Glutathione-Superflow Resin was equilibrated with 4 x 8 bed volumes of 140 mM NaCl, 10 mM Na₂HPO₄, and 1.8 mM KH₂PO₄ (pH 7.5). The resin was saturated with bacterial lysate from 1.0 g of cell pellet containing glutathione S-transferase in the equilibration buffer. The adsorbent was washed four times with 4 ml of the equilibration buffer. Adsorbed glutathione S-transferase was eluted with 3.0 ml of 33 mM glutathione in 50 mM Tris-HCl (pH 8.0). Protein recovery was determined using BioRad's Protein Assay Kit (Cat. No. 500-0006), and the purity of the eluted protein was assessed by SDS-PAGE.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

Takara Bio USA, Inc.

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Glutathione-Superflow Resin

CATALOG NOS.

635607 & 635608

NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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3/10/2023