



Product	Catalog No.	Package size
SuperGlu Agarose Resin 1ml	SuperGlu1A	1ml
SuperGlu Agarose Resin 10ml	SuperGlu10A	10ml
SuperGlu Agarose Resin 25ml	SuperGlu25A	25ml
SuperGlu Agarose Resin 100ml	SuperGlu100A	100ml

Product Description

SuperGlu Agarose Affinity Resin was developed for the affinity purification of glutathione-S-transferase (GST) fusion proteins. This affinity chromatography matrix consists of 7.5% cross-linked agarose. The material is highly porous to allow for optimal protein interaction. Cross-linked agarose is also physically very stable, making it suitable for purification processes under low pressure with flow rates up to 6 mL/min (optimal 0.25 – 1 mL/min). Our agarose resin is very homogeneous in size with a medium particle diameter of 40 µm, yielding a high degree of reproducibility between individual purification runs.

Glutathione has been coupled to the agarose to obtain an affinity matrix with highest binding capacity for GST fusion proteins. SuperGlu Agarose Affinity Resin can be used for batch purification, as well for low pressure column purification, and is compatible with all prokaryotic and eukaryotic expression systems. Because the purification method depends on correctly folded GST protein, only native conditions can be used.

SuperGlu Agarose Affinity Resin is delivered as a 50% suspension. Therefore, 2 mL suspension will yield a 1 mL bed volume. The suspension contains 20% ethanol to prevent microbial growth.

Protein Binding Capacity

The protein binding capacity is up to 10 mg/mL resin, as determined by purification of glutathione-S-transferase from *E.coli* cleared lysates, and quantified via spectrophotometry.

Compatibility

For cleaning purposes, Super Glu Affinity Resin is very stable and can resist the following conditions in most situations:

All commonly used aqueous buffers, from pH 3 – 12, e.g. 1 M sodium acetate, pH 4.0, or 6 M guanidine-hydrochloride, organic solvents (e.g., 70% (v/v) ethanol), 1% (w/v) SDS, 0.1 M NaOH, 0.1 M HCl.

Shipping & Storage

Shipment Temperature	Ambient temperature
Short-term Storage	In equilibration buffer (see protocol)
Long-term Storage	In 20% ethanol at 4 °C



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