# SuperGlu Agarose Affinity Resin

## Datasheet

SuperGlu Agarose Affinity Resin designed for affinity purification of glutathione-S-transferase (GST) fusion proteins. Glutathione has been coupled to 7.5% cross-linked agarose (medium particle diameter 40 µm) to obtain a stable matrix with the highest binding capacity for binding GST fusion proteins (up to 10 mg/ml determined from *E.coli* cleared lysate). SuperGlu Agarose Affinity Resin can be used for batch purification, low pressure column purification, and is compatible with all prokaryotic and eukaryotic expression systems under native conditions (purification is dependent upon correctly folded GST).

**Specification:**

| | |
|---|---|
| Specificity: | Glutathione S-transferase |
| Matrix: | 7.5% cross linked agarose |
| Coupled Ligand: | Glutathione |
| Binding capacity: | 10 mg/ml |
| Bead size: | 32-60 µm (40 µm medium) |
| Flow Rate: | 0.25-1 ml/min (optimum), 6 ml/min (max) |
| Maximum pressure: | 72 psi |
| Buffer compatibility: | Common aqueous buffers from pH 3-12 |
| Cleaning buffer examples: | 1 M sodium acetate pH 4.0,<br>6 M guanidine-hydrochloride,<br>organic solvents (e.g. 70% (v/v) ethanol),<br>1% (w/v) SDS, 0.1 M NaOH, or 0.1 M HCl |
| Shipping/delivery: | 50% (v/v) resin suspension in 20% ethanol at ambient temperature |
| Storage: | Equilibration buffer (short-term)<br>20% ethanol at 2-8°C (long-term) |

**Ordering Information:**

| Product | Volume | Order Code |
|---|---|---|
| SuperGlu Agarose Resin (10 ml) | 10 ml | NB-45-00071-10 |
| SuperGlu Agarose Resin (25 ml) | 25 ml | NB-45-00071-25 |
| SuperGlu Agarose Resin (100 ml) | 100 ml | NB-45-00071-100 |

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