

## PureCube Maleimide Activated MagBeads

Product	Catalog No.	Package size
PureCube Maleimide Activated MagBeads (1 mL)	51201	1 x 1 mL 25% suspension
PureCube Maleimide Activated MagBeads (5 mL)	51205	1 x 5 mL 25% suspension
PureCube Maleimide Activated MagBeads (25 mL)	51225	1 x 25 mL 25% suspension
PureCube Maleimide Activated MagBeads (4x25 mL)	51290	4 x 25 mL 25% suspension

### Product Description

PureCube Maleimide Activated MagBeads have been synthesized for the direct covalent and irreversible coupling of thiol groups for affinity purification.

The affinity matrix is based on spherical magnetic agarose beads, consisting of 6% cross-linked agarose. The material is highly porous to allow optimal protein interaction. Cross-linked agarose is also physically very stable, making it suitable for purification processes without deformation or destruction. Our magnetic beads are very homogeneous in size with a medium particle diameter of 25 µm, yielding a high degree of reproducibility between individual purification runs.

The maleimide is coupled to the magnetic agarose via an epoxide function and a long C<sub>40</sub> spacer to obtain a matrix with a very high binding capacity for thiol functions with a significant reduction of non-specific binding.

The protein binding capacity for GFP is ≥15 mg/ml, as determined by spectrophotometry.

PureCube Maleimide Activated MagBeads are delivered as a 25% suspension. Therefore, 1 mL suspension will yield a 250 µL bed volume. The suspension contains 20 mM sodium acetate, pH 6.5 and 20% ethanol to prevent microbial growth.

### Shipping & Storage

Shipment Temperature	Ambient temperature
Short-term Storage	In neutral buffer at 4°C
Long-term Storage	100 mM sodium hydrogen carbonate, 0.02% sodium azide, pH 7.5 at 4 °C or 20 mM sodium acetate, 20% ethanol, pH 6.5 at 4 °C

### Additional Information

For coupling protocols, and protocols for protein purification, please visit our webpage at: [www.cube-biotech.com/protocols](http://www.cube-biotech.com/protocols).

A range of activated agaroses and magbeads is available for coupling of biomolecules via different functional groups.

**Disclaimer:** Our products are intended for molecular biology applications. These products are not intended for the diagnosis, prevention, or treatment of a disease.

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**Proteins are our passion.**