

## PureCube Amine-Activated Agarose



Product	Catalog No.	Package size
PureCube Amine-Activated Agarose (10 mL)	51003	20 mL 50% suspension
PureCube Amine-Activated Agarose (50 mL)	51005	100 mL 50% suspension
PureCube Amine-Activated Agarose (250 mL)	51010	500 mL 50% suspension
PureCube Amine-Activated Agarose (500 mL)	51012	1000 mL 50% suspension

### Product Description

PureCube Amine-Activated Agarose has been synthesized for the direct covalent coating of biomolecules via EDC for affinity purification. This affinity chromatography matrix is based on BioWorks Workbeads, consisting of 6% 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 of up to 6 mL/min (optimal 0.5–2 mL/min). Our agarose is very homogeneous in size with a medium particle diameter of 100  $\mu\text{m}$ , yielding a high degree of reproducibility between individual purification runs.

An amino-modified epoxide function is coupled to the magnetic agarose with a C2 spacer to obtain a matrix with highest binding capacity for carboxy functions. The amine group density is higher than 20  $\mu\text{mol/mL}$ , as determined by acidimetric titration.

PureCube Amine-Activated Agarose is delivered as a 50% suspension. Therefore, 2 mL suspension will yield a 1 mL bed volume. The suspension contains anhydrous isopropanol to prevent microbial growth and reduce hydrolysis.

### Shipping & Storage

Shipping 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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