

PureCube Amine-Activated Agarose

Product	Catalog No.	Package size
PureCube Amine-Activated Agarose (10 mL)	51003	20 mL of a 50% suspension
PureCube Amine-Activated Agarose (50 mL)	51005	100 mL of a 50% suspension
PureCube Amine-Activated Agarose (250 mL)	51010	500 mL of a 50% suspension
PureCube Amine-Activated Agarose (500 mL)	51012	1000 mL of a 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 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 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 40 µm, 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 µmol/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

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.

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.