

PureCube Carboxy Agarose

Product	Catalog No.	Package size
PureCube Carboxy Agarose (10 mL)	50103	20 mL 50% suspension
PureCube Carboxy Agarose (50 mL)	50105	100 mL 50% suspension
PureCube Carboxy Agarose (250 mL)	50110	500 mL 50% suspension
PureCube Carboxy Agarose (500 mL)	50112	1000 mL 50% suspension

Product Description

PureCube Carboxy Agarose has been synthesized for the covalent coating for affinity purification using EDC and NHS.

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.

A carboxy function is coupled to the magnetic agarose with a C6 spacer to obtain a matrix with highest binding capacity for amino functions. The carboxylic group density is higher than 15 µmol/ml, as determined by acidimetric titration.

PureCube Carboxy Agarose is delivered as a 50% suspension. Therefore, 1 mL suspension will yield a 500 µL bed volume. The suspension contains 20% ethanol to prevent microbial growth.

Note: After NHS activation, it is highly recommended to directly react the resin with the target molecule, because hydrolysis will reduce activated groups directly after activation and removal of EDC/NHS.

Shipping & Storage

Shipment Temperature	Ambient temperature
Short-term Storage	In equilibration buffer (see protocol)
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. For affinity purification of His-tagged, GST-tagged, rho-tagged or strep[®]-tagged proteins, Cube Biotech offers dedicated agarose resins, magnetic beads and prepacked cartridges. Also available are a range of ultrapure detergents and buffers for extraction and purification of proteins. See www.cube-biotech.com/products for details.

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.