

PureCube Carboxy Agarose XL

Product	Catalog No.	Package size
PureCube Carboxy Agarose XL (10 mL)	58103	20 mL 50% suspension
PureCube Carboxy Agarose XL (50 mL)	58105	100 mL 50% suspension
PureCube Carboxy Agarose XL (250 mL)	58110	500 mL 50% suspension
PureCube Carboxy Agarose XL (500 mL)	58112	1000 mL 50% suspension

Product Description

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

This affinity chromatography matrix consists of particularly large agarose beads, which are used for special applications. The material consists of 6% cross-linked agarose, and is highly porous to allow for optimal protein interaction. This special agarose contains extra large particles with a medium diameter of 400 µm.

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 XL 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.