

PureCube Maleimide Activated Agarose

Product	Catalog No.	Package size
PureCube Maleimide Activated Agarose XL (10 mL)	59103	20 mL of a 50% suspension
PureCube Maleimide Activated Agarose XL (50 mL)	59105	100 mL of a 50% suspension
PureCube Maleimide Activated Agarose XL (250 mL)	59110	500 mL of a 50% suspension
PureCube Maleimide Activated Agarose XL (500 mL)	59112	1000 mL of a 50% suspension

Product Description

PureCube Maleimide Agarose has been synthesized for the covalent coating of thiol-functionalized biomolecules 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 flow 1.5–2 mL/min). Our agarose is very homogeneous in size with a medium particle diameter of 400 µm, yielding a high degree of reproducibility between individual purification runs.

The maleimide group is coupled to agarose via an epoxide function and a long C₄₀ 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 Agarose is delivered as a 50% suspension. Therefore, 1 mL suspension will yield a 500 µL bed volume. The suspension contains 100% 2-propanol 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. 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.