Cube Biotech
Alfred-Nobel-Str. 10 • 40789 Monheim • Germany
Phone: +49 (0)2173 993730
contact@cube-biotech.com
www.cube-biotech.com

PureCube Epoxy Activated Agarose

Product	Catalog No.	Package size
PureCube Epoxy Activated Agarose (10 mL)	**50703**	**20 mL 50% suspension**
PureCube Epoxy Activated Agarose (50 mL)	**50705**	**100 mL 50% suspension**
PureCube Epoxy Activated Agarose (250 mL)	**50710**	**500 mL 50% suspension**
PureCube Epoxy Activated Agarose (500 mL)	**50712**	**1000 mL 50% suspension**

Product Description

PureCube Epoxy Activated Agarose has been synthesized for the direct covalent coating 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 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 Epoxy Acitvated-modified epoxide function is coupled to the agarose beads with a C_4 spacer to obtain a matrix with highest binding capacity for carboxy functions. The epoxy group density is higher than 20 µmol/ml, as determined by acidimetric titration.
PureCube Epoxy Activated Agarose is delivered as a 50% suspension. Therefore, 1 mL suspension will yield a 500 µL bed volume. The suspension contains 100% isopropanol to prevent hydrolysis and microbial growth.

Shipping & Storage

Shipment Temperature	Ambient temperature
Short-term Storage	In equilibration buffer (see protocol) at 4 °C
Long-term Storage	In 100% isopropanol 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 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.