

PureCube Epoxy Activated Agarose XL

Product	Catalog No.	Package size
PureCube Epoxy Activated Agarose XL (10 mL)	58703	1 x 20 mL 50% suspension
PureCube Epoxy Activated Agarose XL (50 mL)	58705	1 x 100 mL 50% suspension
PureCube Epoxy Activated Agarose XL (250 mL)	58710	1 x 500 mL 50% suspension
PureCube Epoxy Activated Agarose XL (500 mL)	58712	1 x 1000 mL 50% suspension

Product Description

PureCube Epoxy Activated Agarose XL has been synthesized for the direct covalent coating of biomolecules via free amine or thiol groups.

This activated 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. Cross-linked agarose is also physically very stable, making it suitable for purification processes under low pressure with flow rates up to 20 mL/min. This special agarose contains extra large particles with a medium diameter of 400 µm.

An Epoxy Activated-modified epoxide function is coupled to the agarose beads with a C₄ 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 XL 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.

Disclaimer: Our products are intended for molecular biology applications. These products are not intended for the diagnosis, prevention, or treatment of a disease.