

## PureCube Rho1D4 Agarose XL

Product	Catalog No.	Package size
PureCube Rho1D4 Agarose XL (1 mL)	57601	2 mL 50% suspension
PureCube Rho1D4 Agarose XL (5 mL)	57602	10 mL 50% suspension
PureCube Rho1D4 Agarose XL (10 mL)	57603	20 mL 50% suspension

### Product Description

PureCube Rho1D4 Agarose XL was developed for the affinity purification of proteins with a rho1D4-tag (protein sequence TETSQVAPA). 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.

The Rho1D4 antibody is coupled to the agarose resin to obtain an affinity matrix with highest binding capacity for rho-tagged proteins, as well as enhanced storage stability. PureCube Rho1D4 Agarose XL can be used for batch purification, low pressure column purification, and is compatible with all prokaryotic and eukaryotic expression systems.

PureCube Rho1D4 Agarose XL is delivered as a 50% suspension. Therefore, 2 mL suspension will yield a 1 mL bed volume. The suspension contains 20% ethanol to prevent microbial growth.

### Protein Binding Capacity

The protein binding capacity is up to 3 mg/mL resin, as determined by purification of a 35 kDa rho1D4-tagged membrane protein, and quantified via spectrophotometry.

### Compatibility

Rho1D4 Agarose XL is compatible with low concentrations of most commonly used detergents. For cleaning, please refer to the protocol "Regenerating Rho1D4 Agarose". This protocol uses high and low pH buffers.

### Shipping & Storage

Shipment Temperature	Ambient temperature
Short-term Storage	In neutral buffer at 4°C
Long-term Storage	In neutral buffer with 20% ethanol at 4 °C

## **Additional Information**

For protein purification protocols, please visit our webpage at: [www.cube-biotech.com/protocols](http://www.cube-biotech.com/protocols). For purification of rho-tagged proteins from dilute solutions, we recommend using PureCube Rho1D4 MagBeads. For affinity purification of GST-tagged, his-tagged or strep<sup>®</sup>-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 membrane proteins. See [www.cube-biotech.com/products](http://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.

Trademarks: Strep-tag<sup>®</sup> (IBA GmbH).