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PureCube Rho1D4 MagBeads

Product	Catalog No.	Package size
PureCube Rho1D4 MagBeads (1 mL)	**33201**	**1 x 1 mL**
PureCube Rho1D4 MagBeads (5 mL)	**33205**	**1 x 5 mL**
PureCube Rho1D4 MagBeads (25 mL)	**33225**	**1 x 25 mL**
Rho Starter Set 2: PureCube Rho1D4 MagBeads (1 mL) + Rho1D4 peptide (5 mg)	**33299**	**1 mL Rho1D4 magnetic beads + 1 x 5 mg Rho1D4 peptide**

Product Description

PureCube Rho1D4 MagBeads were developed for the affinity purification of proteins with the rho1D4-tag (protein sequence TETSQVAPA), and are compatible with all prokaryotic and eukaryotic expression systems. The affinity matrix is based on spherical magnetic agarose beads, consisting of 6% cross-linked agarose. The material is highly porous to allow optimal protein interaction. Cross-linked agarose is also physically very stable, making it suitable for purification processes without deformation or destruction. Our magnetic beads are very homogeneous in size with a medium particle diameter of 30 µm, yielding a high degree of reproducibility between individual purification runs. The Rho1D4 antibody is coupled to the agarose resin in such a way as to obtain a matrix with highest binding capacity towards rho-tagged proteins and enhanced storage stability.

PureCube Rho1D4 MagBeads are delivered on ice as a 25% suspension. Therefore, 1 mL suspension will yield a 50 µL bed volume. The suspension contains 20% ethanol to prevent microbial growth.

Protein Binding Capacity

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

Compatibility

PureCube Rho1D4 MagBeads are compatible with low concentrations of most commonly used detergents.

Shipping & Storage

Shipment Temperature	Shipped on ice
Short-term Storage	In equilibration buffer (see protocol)
Long-term Storage	In 20% ethanol at 4 °C

Addtional Information

For protein purification and cleaning protocols, as well as guidelines for fusing proteins to the rho1D4 tag, please visit our webpage at: www.cube-biotech.com/protocols. For purification of rho-tagged proteins with gravity flow columns and low pressure chromatography, we recommend using PureCube Rho1D4 Agarose. For affinity purification of GST-tagged, his-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.