

PureCube HiCap StrepTactin[®] MagBeads

Product	Catalog No.	Package size
PureCube HiCap StrepTactin MagBeads (1 mL)	34201	1 x 1 mL
PureCube HiCap StrepTactin MagBeads (5 mL)	34205	1 x 5 mL
PureCube HiCap StrepTactin MagBeads (25 mL)	34225	1 x 25 mL

Product Description

PureCube HiCap StrepTactin MagBeads were developed for the affinity purification of strep[®]-tagged proteins. 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.

StrepTactin is coupled to the magnetic agarose beads to obtain an affinity matrix with highest stability and binding capacity for strep-tagged proteins. Because the purification method depends on correctly folded StrepTactin, only native conditions can be used.

PureCube HiCap StrepTactin MagBeads are delivered as a 5% suspension. Therefore, 1 mL suspension will yield in 50 µL bed volume. The suspension contains 20% ethanol to prevent microbial growth.

Protein Binding Capacity

The protein binding capacity is up to 7 mg/mL resin, as determined by purification of a 48 kDa Kinase from *E. coli* cleared lysates, and quantified via spectrophotometry.

Compatibility

PureCube HiCap StrepTactin MagBeads are very stable, and the strep-Tag/StrepTactin interaction is compatible with the following conditions in most situations:

2% Tween 20, 2% Triton X-100, 2% IGEPAL[®] 630/Nonidet P40, 2% n-Octyl-β-D-glucopyranoside, 0.2% n-Nonyl-β-D-glucopyranoside, 0.35% n-Decyl-β-D-maltoside, 2% Lauryl-sarcosine, 0.1% SDS, 0.3% CHAPS, 1M Guanidine HCl, 1mM PMSF, 10% ethanol, 5M NaCl, 2M (NH₄)₂SO₄, 1M CaCl₂, 25% glycerol.

Shipping & Storage

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

Additional Information

For protein purification protocols, please visit our webpage at: www.cube-biotech.com/protocols. For purification of strep-tagged proteins with gravity flow columns and low pressure chromatography, we recommend using PureCube HiCap StrepTactin Agarose. For affinity purification of GST-tagged, rho-tagged or his-tagged proteins, Cube Biotech offers dedicated agarose resins, magnetic beads and prepacked cartridges. Also available are a range of ultrapure detergents and buffer 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.

PureCube StrepTactin Agarose is manufactured by IBA GmbH under German Patent Application No. 42 37 113.9 entitled "Fusion peptides with binding activity for streptavidin". Trademarks: FPLC™ (GE Healthcare); IGEPAL® (Rhodia); StrepTactin®, Strep-tag® (IBA GmbH); Superflow™ (Sterogene Bioseparations, Inc.).