

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 10 ml
PureCube HiCap StrepTactin® MagBeads (25mL)	34225	1 x 25 ml
PureCube HiCap StrepTactin® MagBeads (4x25mL)	34290	4 x 25 ml

Product Description

PureCube HiCap StrepTactin® MagBeads Resin was developed for the affinity purification of proteins with a Strep-tag®II or a Twin-Strep-tag®. The affinity matrix is based on spherical magnetic agarose beads, consisting of 6% cross-linked. The material is highly porous to allow optimal protein interaction and is 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 50 µL bed volume.

Protein Binding Capacity

The protein binding capacity is up to 11 mg/mL resin, as determined by purification of a 82.6 kDa CD56 Antigen from *E. coli* cleared lysates, and quantified via spectrophotometry.

Compatibility

PureCube HiCap StrepTactin® Agarose is very stable, and the (Twin-)Strep-tag®/Strep-Tactin® 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 the equilibration buffer (see protocol)
Long-term Storage	In 20% ethanol at 4 °C

Additional Information

For protein purification protocols, including protocols for packing chromatography columns, please visit our webpage at: www.cube-biotech.com/protocols. For purification of Strep-tagged® proteins from dilute solutions, we recommend using PureCube HiCap StrepTactin® MagBeads. 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 for details.