

PureCube NHS-Activated MagBeads

Product	Catalog No.	Package size
PureCube NHS-Activated MagBeads (1 mL)	50401	1 x 1 mL 25% suspension
PureCube NHS-Activated MagBeads (5 mL)	50405	1 x 5 mL 25% suspension
PureCube NHS-Activated MagBeads (25 mL)	50425	1 x 25 mL 25% suspension
PureCube NHS-Activated MagBeads (4x25 mL)	50490	4 x 25 mL 25% suspension

Product Description

PureCube NHS-Activated MagBeads have been synthesized for the direct covalent coating of biomolecules via amine groups.

The activated 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 25 µm, yielding a high degree of reproducibility between individual purification runs.

A NHS (N-hydroxy succinimide)-activated carboxy function is coupled to the magnetic agarose with a C₆ spacer to obtain a matrix with highest binding capacity for amino functions. The carboxylic group density is higher than 15 µmol/ml, as determined by acidimetric titration. The binding capacity of NHS-activated Agarose was determined with GFP protein to be up to 20 mg/ml.

PureCube NHS activated MagBeads are delivered as a 25% suspension. Therefore, 1 mL suspension will yield a 250 µL bed volume. The suspension contains 100% isopropanol to prevent hydrolysis and to prevent microbial growth.

Note: It is highly recommended to withdraw resin under protective gas and after equilibration to room temperature in order to avoid condensation of humidity and hydrolysis. Furthermore, it is recommended to directly react the resin with the target molecule after withdrawal, because hydrolysis will reduce activated groups directly after contact with humidity.

Shipping & Storage

Shipment Temperature	Ambient temperature
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.

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

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Proteins are our passion.