

PureCube NHS Activated MagBeads

Cat. No.: 50405, 50425, 50495

Description	PureCube NHS Activated MagBeads are magnetic beads with active NHS groups to couple biomolecules that carry free-standing amine (NH₂) groups. The NHS (N-hydroxy succinimide)-activated carboxy group is coupled to the magnetic agarose via a C₆ spacer to obtain a matrix with high binding capacity. The resulting amid bond is stable so that the beads can be used for other applications afterward.
Support	Spherical magnetic agarose beads, cross-linked, 6% agarose
Form	25% (v/v) suspension in 100% isopropanol (20 µl suspension corresponds to 5 µl magnetic beads)
Bead size	20–40 µm (30 µm average)
Carboxylic group density	15 µmol/ml (determined by acidimetric titration)
Binding capacity	25 mg/ml (determined with a 24 kDa protein)
Application	PureCube NHS Activated MagBeads are applicable for the direct covalent coating of biomolecules via amino groups 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.
Stability	6 months after shipping
Storage	2–8 °C in 100% isopropanol
Shipping	Room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.
Manufacturer	Cube Biotech

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