

PureCube Amine Activated Agarose

Cat. No.: 51003

Description	PureCube Amine Activated Agarose is agarose resin with active amine groups to couple biomolecules that carry free-standing carboxy (COOH) groups. An amino-modified epoxide function is coupled to the agarose bead with a C₂ spacer to obtain a matrix with high binding capacity for carboxy functions. The resulting peptide is stable so that the coupled agarose resin can be used for other applications afterward.
Support	6% agarose, highly cross-linked
Form	50% suspension in 20 mM sodium acetate with 20% ethanol, pH 6.5 (e.g. 10 ml will be 5 ml settled resin + 5 ml buffer)
Bead size	50–150 µm, spherical
Amine group density	20 µmol/ml (determined by acidimetric titration)
Size exclusion limit	4 x 10 ⁶ Da
Maximum pressure	≥300 kPa (at 15 cm bed height)
Maximum flow rate	≥1000 cm/h (at 15 cm bed height)
Application	PureCube Amine Activated Agarose is applicable for the direct covalent coating of biomolecules via EDC.
Stability	2 years after shipping
Storage	2–8 °C. Short-term: in neutral buffer (e.g. 50 mM phosphate, pH 7.0); Long-term: in 100 mM sodium hydrogen carbonate, 0.02% sodium azide, pH 7.5 or 20 mM sodium acetate with 20% ethanol, pH 6.5
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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