PureCube Ni-NTA FPLC column

Cat. No.: 31302, 31306

Description	**PureCube Ni-NTA FPLC columns contain PureCube Ni-NTA Agarose. A high density of nickel ions (Ni) loaded onto the ligand nitrilotriacetic acid (NTA) ensures a high binding capacity. The columns are applicable for purification of proteins fused to a His-tag via chromatography workstations using 10-32 connections, syringes, or peristaltic pumps.**			
Support	7.5% agarose, highly cross-linked			
Form	Pre-packed in buffer (20 mM sodium acetate with 20% ethanol, pH 6.6)			
Bead size	40 µm, spherical			
Binding capacity	80 mg protein/ml resin. Binding capacity was determined with a 27 kDa 6xHis-tagged GFP protein. Please note that the binding capacity is protein dependent.			
Compatible reagents	1 mM DTT, 1 mM EDTA, 100% methanol, 100% ethanol, 8 M urea, 6 M guanidinium hydrochloride, 30% (v/v) acetonitrile.			
Application	The PureCube FPLC column is compatible with almost all commonly used FPLC systems like ÄKTA™.			
	FPLC column volume	Physical dimension	Flow rate	Pressure stability
	1 ml (31302)	Inner diameter: 0.7 cm Height: 2.5 cm	0.5-2.0 ml/min (max. 6 ml/ml)	Maximum 5 bar (72 psi)
	5 ml (31306)	Inner diameter: 1.6 cm Height: 2.5 cm	0.5-2.0 ml/min (max. 6 ml/ml)	Maximum 3 bar (42 psi)
Stability	2 years after shipping			
Storage	2-8 °C			
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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