Nickel Beads

Cat. No. Nickel-31A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant proteins tagged with 6-10 poly Histidines can be purified in one step by ion metal affinity chromatography (IMAC). Several metal ions exhibiting affinity to poly-Histidines are commonly used, Nickel and Cobalt being the most popular. Tagging the proteins may be done at the N-ter or the C-ter by cloning a gene in dedicated expression vectors encoding to the poly Histidines stretch, enabling the purification of the recombinant protein resulted.
Cat.no	Nickel-31A
Matrix	Highly cross-linked spherical agarose, 4%
Average particle size	40-165 µm
Dynamic binding capacity	~6-9 mg pure (His) 6 -tagged protein (Mr ~ 49 000) per ml
Recommended flow rate	1-2 ml/min/ cm2
pH working range	2-11
Elution buffer	0.02 M sodium phosphate, 0.5 M NaCl, 0.5 M imidazole, pH 7.4
Storage	Storage conditions: equilibrate the column with the Binding buffer added with NaN3 0.1% (w/v) or 20% ethanol as preservatives.

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