

Datasheet for ABIN2017616

High Affinity Ni-Charged Resin**12** Publications[Go to Product page](#)

Overview

Quantity:	10 mL
Application:	Purification (Purif)

Product Details

Specificity:	High binding capacity: The kit can handle over 20 mg 6xHis-tagged protein/mL (CV). Simple purification procedure under both native and denaturing conditions. Broad pH stability: The resin works well between pH 3 and pH 13, and can manage pH 2 and pH 14 for short periods. Resilient: If properly regenerated, the resin can be reused multiple times.
Characteristics:	High Affinity Ni-Charged Resin is an 4 % cross-linked agarose medium covalently coupled to a chelating agent that binds Ni²⁺ by four coordination sites for high-affinity purification of polyhistidine-tagged recombinant proteins. High Affinity Ni-Charged Resin has low Ni²⁺ leakage, high protein-binding capacity and stability, and is compatible with a wide range of additives used in protein purification. This makes High Affinity Ni-Charged Resin the excellent choice for high performance purification of polyhistidine-tagged proteins. High Affinity Ni-Charged Resin is available in 10, 25 and 500 mL lab packs. Total Volume: 10 mL settled resin (20 mL 50 % slurry) 25 mL settled resin (50 mL 50 % slurry) 500 mL settled resin (1000 mL 50 % slurry)
Bead Ligand:	Nickel ions
Bead Matrix:	Agarose beads
Bead Size:	90 µm

Application Details

Comment: For ambient pressure use only.

Restrictions: For Research Use only

Handling

Format: Liquid

Storage: 4 °C

Storage Comment: Store the product between 2°C and 8°C.

Publications

Product cited in: Morgado, Zeth, Burmann, Maier, Hiller: "Characterization of the insertase BamA in three different membrane mimetics by solution NMR spectroscopy." in: **Journal of biomolecular NMR**, Vol. 61, Issue 3-4, pp. 333-45, (2015) ([PubMed](#)).

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Zhang, Song, Cheng, Hao, Wang, Kan, Jin, Yu: "The acid phosphatase-encoding gene GmACP1 contributes to soybean tolerance to low-phosphorus stress." in: **PLoS genetics**, Vol. 10, Issue 1, pp. e1004061, (2014) ([PubMed](#)).

Jiang, Zhang, Zhao, Jia, Zhao, Wang: "A new group of anti-lipopolysaccharide factors from Marsupenaeus japonicus functions in antibacterial response." in: **Developmental and comparative immunology**, Vol. 48, Issue 1, pp. 33-42, (2014) ([PubMed](#)).

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