Datasheet for ABIN1536567

High Affinity Ni-Charged Resin

12 Publications

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Overview

Quantity:	500 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).

Albert, Schlesinger, Viall, Mulla, Brosens, Chamley, Abrahams: "Effect of hydroxychloroquine on antiphospholipid antibody-induced changes in first trimester trophoblast function." in: **American journal of reproductive immunology (New York, N.Y. : 1989)**, Vol. 71, Issue 2, pp. 154-64, (2014) (PubMed).

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).

Jiang, Sun, Wang, Zhao, Wang: "A single whey acidic protein domain containing protein (SWD) inhibits bacteria invasion and dissemination in shrimp Marsupenaeus japonicus." in: **Fish & shellfish immunology**, Vol. 35, Issue 2, pp. 310-8, (2013) (PubMed).

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