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Nickel XPure Agarose Resin

Cat. # P3010-5, P3010-25, P3010-100

Size: 5 ml (Cat.# P3010-5), 25 ml (Cat.# P3010-25), 100 ml (Cat.# P3010-100),

Bead (Geometry, size): Spherical, fine: ~ 20-50 µm

Cross-Linked: Yes

Ligand: Iminodiacetic acid (IDA)

Agarose %: 6% Agarose

Binding Capacity: > 26 mg/ml gel (Binding capacity will vary for each target protein.)

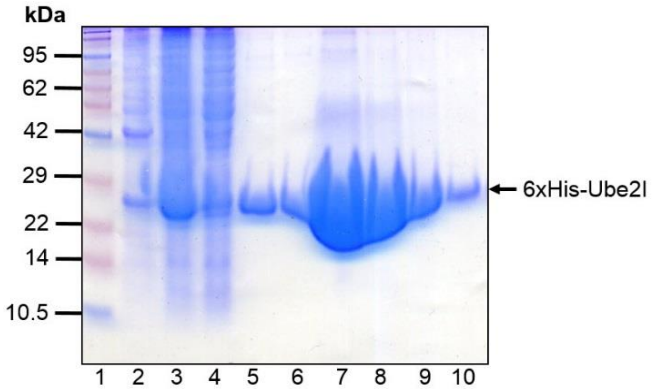
Volume %: 50% (v/v) aqueous suspension containing 20% Ethanol

Application: Batch, Gravity, MPLC and FPLC

Introduction: Nickel chelate resins recognize two exposed histidines for an appreciable retention of a protein with a 4X or 6XHis tag. Nickel XPure Agrose Resin provides the advantages of the Nickel cation with the high flow rates of the highly cross-linked agarose beads. Except for batch purification, this product is specially suitable for large scale His-tagged protein purifications using FPLC.

The XPure series of resins are made for large scale and fine purification using a high-performace liquid chromatography (HPLC) system.

Image(s):



Ube2I was purified with Nickle XPure Agagrose Resin using a gravity column

Lane 1: Molecular weight marker
Lane 2: Cell pellet after sonication
Lane 3: Supernatant after sonication
Lane 4: Flow through after binding
Lane 5: Wash
Lane 6: Elution 1
Lane 7: Elution 2
Lane 8: Elution 3
Lane 9: Elution 4
Lane 10: Elution 5

Storage Temperature: 2-8 °C