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Ni-IDA Agarose Resins

Cat.No.	**Unit**
G251	25 ml

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Name	Ni-IDA Agarose Resins
Unit	25 ml
Category	Buffers & General Chemicals
Description	Affinity chromatography is a method of separating biochemical mixtures based on highly specific molecular interactions. The Ni-IDA agarose is developed for the purification of proteins with an affinity tag of six consecutive histidine residues. This histidine-metal ion interaction makes one-step purification possible for proteins from any expression system, under native or denaturing conditions. The His-tag sequence binds to Ni^{2+} cations, which are immobilized onto a solid support using iminodiacetic acid groups (IDA). Impurities are removed and the purified His-tagged proteins can be eluted by imidazole or a reduced pH solution. Special Features One-step easy purification protocol from crude lysate to >95% pure protein. Purification under native or denaturing conditions. Ready-to-use for any scale of purification. Protein binding capacity: approx. 20-40 µmol Ni^{2+}/ml gel. Economical value. Can be used for successive cycles. Resins and columns formats suitable for batch and gravity purification.
Application	Purification of His-tagged proteins. Antibody purification. Assays involving protein-protein and protein-DNA interactions. Structural and functional investigation of proteins.
Storage Condition	Resin should be stored at 2-8°C. Do not freeze.