

DiagAg™ Dextrin Agarose Particles, 6% Crosslinked, 45-165 µm

Cat.No: DAG-YS23-02

DESCRIPTION

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DiagAg™ Dextrin Agarose Particles, 6% Crosslinked, 45-165 µm are coupled with purified maltose binding protein (MBP) tag proteins. MBP promotes the correct folding of linker proteins and increases the solubility of fusion proteins overexpressed in bacteria, especially eukaryotic proteins. The MBP fusion protein can be purified by the resin in one step, and the bound fusion protein can be gently eluted with 10 mM maltose, which protects the activity of the target protein, and the MBP fusion part is subsequently removed by the available site-specific proteases. In addition, this product uses a highly cross-linked 6% agarose gel as the matrix, which has higher physicochemical characteristics and can tolerate higher pressure, and achieve the purification of the target protein at relatively high flow rates, which is more suitable for the purification of large-scale industrial protein.

PRODUCT INFORMATION

Diameter	45-165 µm
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Ligand	Dextrin
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Usage Statement	1. Fully reversed several times to make the agarose particles mixed evenly. 2. During all operations, the samples need to be operated on 4°C or on ice. 3. For your safety and health, please wear laboratory clothes and wear disposable gloves. 4. This product is only used for scientific research purposes!
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Matrix	6% agarose
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Binding Capacity	>10 mg MBP (80 kDa)
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pH Range	3-12
Maximum Operating Pressure	300 kPa, 3bar

STORAGE AND SHIPPING

Storage Buffer	20% ethanol
Storage	Store at 4°C. Do not freeze.
Shipping Condition	Ship with an ice pack.
Shelf Life	2 years