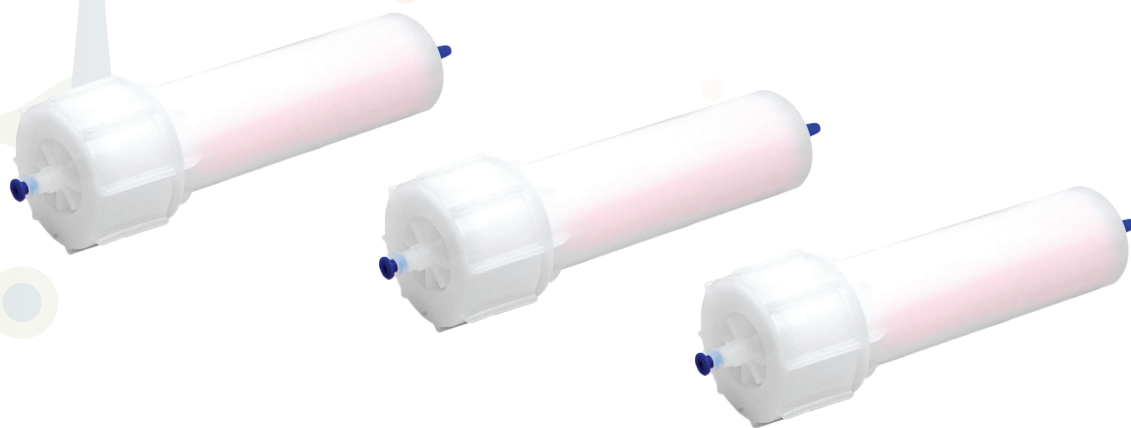


EZ Pure Cobalt Resin

Orochem EZ Pure Cobalt Resin is a high-performance affinity resin for obtaining high-purity his-tagged fusion proteins from cell lysates, under native or denaturing conditions. The affinity resin is charged with cobalt, which binds to his-tagged proteins with high specificity compared to nickel-charged resin. The resin is available in several package sizes of resin slurry, pre packed centrifuge-ready spin columns, chromatography cartridges, complete purification kits and 96-well filter plates for high-throughput applications.



Highlights

High Capacity

Bind up to 10mg of 6xHis-tagged protein per/mL of resin

Specificity

Exhibits high affinity for his-tagged proteins and low non-specific binding of host protein contaminants

Versatile

Purify proteins using native or denaturing conditions

Agarose Resin

Support is cross-linked 6% beaded agarose, the most popular resin for protein affinity purification methods

Multiple Formats

A wide variety to choose from bottled resin slurries, spin columns, chromatography cartridges, complete purification kits and high-throughput compatible 96-well filter plates

Cost-Effective

Reuse the same batch of resin at least five times

EZ Pure Cobalt Resin

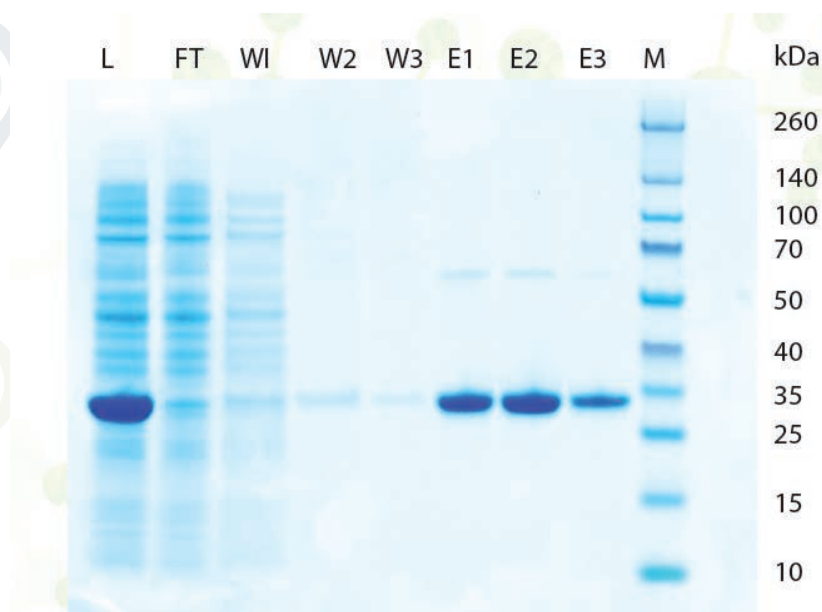


Figure 1: Purification of 6XHis-green fluorescent protein (GFP) from *E. coli* cell lysate by spin procedure:

Bacterial lysate (~5 mg total protein) containing over-expressed 6xHis-GFP was applied to 1 mL of EZ Pure Cobalt resin in a spin column and incubated with the resin for 30 minutes at room temperature by gentle end-over-end mixing. The resin was washed with 6 mL of wash buffer and the GFP was eluted with 3 mL (3 x 1 mL) of elution buffer. Total time for the spin procedure was < 1 hour. The fractions were analyzed by SDS-PAGE under reducing conditions.

L = Lysate load, FT = Flow through, W1-3 = Wash 1-3, E1-3 = Elution 1-3 and M = Molecular Weight Marker

EZ Pure Cobalt Resin

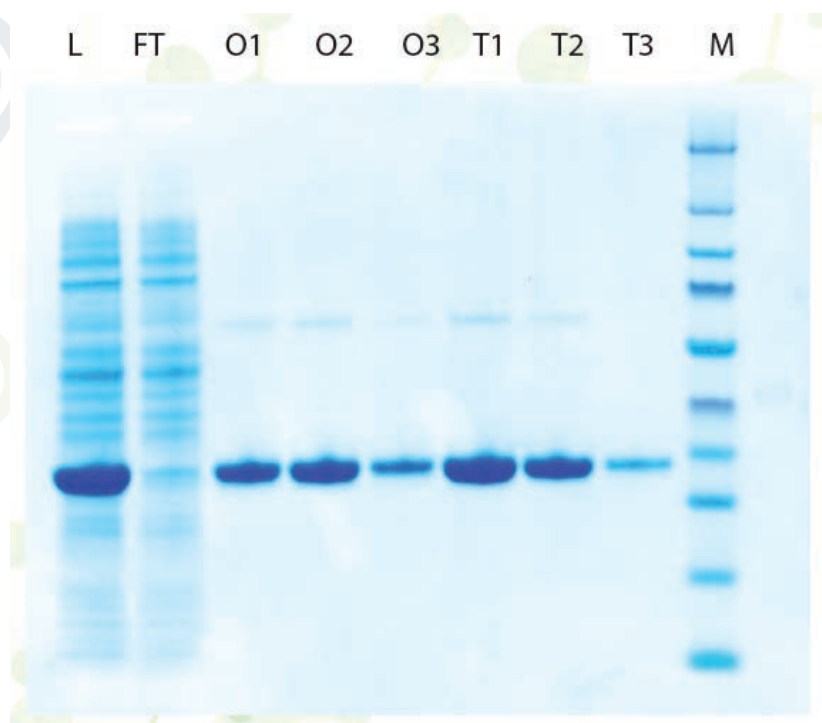


Figure 2: Comparison of Orochem EZ Pure Cobalt resin to other supplier's resin:

Bacterial lysate (~5 mg total protein) containing over-expressed 6xHis-GFP was applied to 1 mL of EZ Pure Ni-NTA resin in a spin column and incubated with the resin for 30 minutes at room temperature by gentle end-over-end mixing. The resin was washed with 6 mL of wash buffer and the GFP was eluted with 3 mL (3 x 1 mL) of elution buffer. The fractions were analyzed by SDS-PAGE under reducing conditions.

L: Lysate; FT: Flow through; O1-3: GFP fractions purified using Orochem resin and T1-3: GFP fractions purified using supplier T resin and M: Molecular weight marker

EZ Pure Cobalt Resin

Ordering Information:

Please inquire for price.

Catalog No.	Description	Package Size
OCPCRBK-05	EZ Pure Cobalt Resin Formulation: Cobalt on crosslinked 4% beaded aga-rose, slurried in 20% ethyl alcohol. Sufficient For: Binding > 10mg of His-tagged protein per mL of resin	5 mL
OCPCRBK-25	EZ Pure Cobalt Resin	25 mL
OCPCRBK-100	EZ Pure Cobalt Resin	100 mL
OCPCRSC-0.2	EZ Pure Cobalt Resin Spin Columns, 0.2 mL	25
OCPCRSC-1.0	EZ Pure Cobalt Resin Spin Columns, 1 mL	5
OCPCRSP96	EZ Pure Cobalt Resin 96-well plate Formulation: 96-well filter plates containing 100 μ L Co-balt Resin per well; Includes collection plates. Sufficient For: Binding approx. 1mg of Histagged protein per well	2

