



For research use only

ISO9001

# PRO•Hunt™ His•Bind Spin Column

Product Name	Qty	Cat. No.	Remarks
PRO-Hunt™ His•Bind Spin Column	20 ea	EBE-1033	Spin-type module

## Description

PRO-Hunt™ His•Bind Spin Column allow a rapid procedure for purification of polyhistidine-tagged proteins from crude cell extracts. Beginning with the clarified cell extracts, the entire procedure to purify polyhistidine-tagged proteins takes approximately 5 minutes. Highly purified proteins can be obtained with simple loading, washing, and elution by centrifugation. The spin column contains a resin which cross-linked with iminodiacetic acid as a ligand, pre-packed and pre-charged with Ni<sup>2+</sup> ion. The spin columns are highly specific for polyhistidine-tagged proteins and exhibits very low non-specific binding of other proteins. The spin columns are reusable at least three times by serial washing with elution buffer and binding buffer without prominent loss of binding efficiency.

## Features

Loading volume	< 700 µl clarified extracts
Elution volume	> 50 µl
Binding capacity	< 400 µg (~25 kDa)
Ligand	Ni-iminodiacetic acid (Ni-IDA)

## Storage Condition

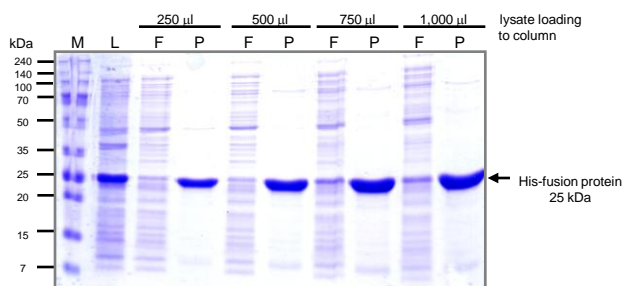
Store at 4°C, do not freeze

## Reagent compatibility

β -Mercaptoethanol	10 mM (with caution)	Triton-X 100	<1%
CHAPS	1% (with caution)	Urea	8 M
Ethanol	30%	TRIS	50 mM
HEPES	50 mM	Ethylene glycol	30%
Glycerol	20%	NP-40	1%
Guanidine HCl	6 M	SDS	1% with caution
Imidazole	200 mM at pH 7.0–8.0, for elution	NaCl	1.0 M
KCl	500 mM	MOPS	50 mM
MES	20 mM		

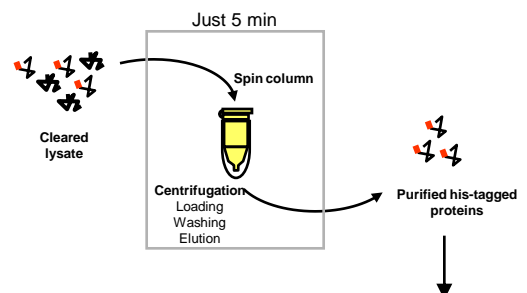
\* Reagent compatibility shows the maximum concentrations of each reagent tested. Higher levels may be acceptable, but they should be tested before use. Note that some of these reagents may partially or completely denature your protein. EDTA or EGTA can not be used completely.

## Binding capacity



M. Prestained broad-range protein marker (EBM-1032)  
 L. Total lysate, 2.5 µl  
 F. Flow-through (unbound) 2.5 µl  
 P. Purified his-tagged protein, 2.5 µl from 200 µl total elute

## Purification Scheme



Further Applications  
 SDS-PAGE Analysis  
 Functional Assay  
 Antibody production