PRODUCT: His60 Ni Gravity Column

CATALOG No. 635667

AMOUNT 1 column

LOT NUMBER Specified on product label.

STORAGE BUFFER Nonbuffered 20% ethanol.

STORAGE CONDITIONS Store at 4°C.

SHELF LIFE

1 year from date of receipt under proper storage conditions.

SHIPPING CONDITIONS Room temperature.

DESCRIPTION

The prepacked His60 Ni Gravity Column contains 1 ml of His60 Ni Superflow[™] Resin, a high capacity resin for the purification of recombinant his-tagged proteins. Suitable for gravity-flow purification under native or denaturing conditions, this column can be reused 4 times to purify different preparations of the same protein.

PACKAGE CONTENTS

• 1 His60 Ni Gravity Column (1 ml)

PRODUCT USER MANUAL

User manuals for Clontech products are available for download at **www.clontech.com/manuals**. The following user manual applies to this product:

 His60 Ni Superflow[™] Resin & Gravity Column User Manual (PT5017-1)

FOR RESEARCH USE ONLY

QUALITY CONTROL DATA

Metal loading analysis

Each lot of His60 Gravity Ni Gravity Columns is guaranteed to have a nickel metal loading of \geq 25 µmol/ml of bed volume. The amount of bound nickel is determined by atomic spectroscopy.

Functional test

The His60 Ni Superflow Resin in the His60 Ni Gravity Columns was functionally tested using his-tagged GFPuv and the His60 Ni Buffer Kit (Cat.No.635665). One ml of His60 Ni Superflow Resin was saturated with a bacterial his-tagged GFPuv lysate in xTractor Buffer. The resin was washed two times with 5 ml of His60 Ni Equilibration Buffer (pH 7.4) and then two times with 5 ml of Wash Buffer (pH 7.4). Bound protein was eluted three times with 1 ml of His60 Ni Elution Buffer (pH 7.4). All eluted fractions were analyzed by electrophoresis on a 12% SDS polyacrylamide gel to verify the purity of the eluted protein. A strong his-tagged GFPuv protein band was evident in at least one lane containing eluted sample.



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