

PRODUCT: TALON® Magnetic Beads**CATALOG Nos.**

635636

635637

AMOUNT

2 x 1 ml

6 x 1 ml

DESCRIPTION

TALON Magnetic Beads provide the selective chemistry of TALON immobilized metal affinity chromatography (IMAC) resin in a magnetic bead format. The beads are designed for the microscale purification of high and low molecular weight recombinant polyhistidine-tagged proteins under native or denaturing conditions, when placed on a magnetic separator.

LOT NUMBER

Specified on product label.

STORAGE BUFFER

Nonbuffered 25% ethanol.

STORAGE CONDITIONS

Store at 4°C.

SHELF LIFE

1 year from date of receipt under proper storage conditions.

SHIPPING CONDITIONS

Room temperature.

PACKAGE CONTENTS**635636**

- 2 x 1 ml TALON Magnetic Beads

635637

- 6 x 1 ml TALON Magnetic Beads

PRODUCT USER MANUALS

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

- TALON Metal Affinity Resins User Manual (PT1320-1)
- TALON Magnetic Beads Protocol-at-a-Glance (PT3848-2)

FOR RESEARCH USE ONLY**QUALITY CONTROL DATA****Metal loading analysis**

Each lot of TALON Magnetic Beads is guaranteed to have a divalent metal loading capacity of >20 µmol/g of beads. The amount of bound metal is determined by atomic spectroscopy.

Functional test

TALON Magnetic Beads were functionally tested using polyhistidine-tagged AcGFP and the TALON Magnetic Beads Buffer Kit. A 200 µl aliquot of a 5% suspension of TALON Magnetic Beads was saturated with a bacterial polyhistidine-tagged AcGFP lysate in xTractor Buffer (pH 7.2). The beads were washed three times with 0.5 ml of equilibration buffer (1X Equilibration/Wash Buffer, pH 7.0), and then once with 0.5 ml of wash buffer (1X Equilibration/Wash Buffer, pH 7.0, containing 10 mM imidazole). Bound protein was eluted with elution buffer (one part of 4X Elution Buffer diluted with three parts of 1X Equilibration/Wash Buffer, pH 7.0). A sample of eluant was analyzed by electrophoresis to verify the purity of the eluted protein.

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The use of TALON Purification products is covered under U.S. Patent No. 5,962,641.

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This document has been reviewed and approved by the Clontech Quality Assurance Department.

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