

## PureCube Zr-NTA MagBeads

Cat. No.: 31505-Zr

|                            |                                                                                                                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>         | <b>PureCube Zr-NTA MagBeads are magnetic beads consisting of a 6% agarose coated with nitrilotriacetic acid (NTA) ligand and loaded with zirconium ions. Due to their affinity to phosphorylated biomolecules, the beads are applicable for the enrichment of phosphopeptides.</b> |
| <b>Support</b>             | Spherical magnetic agarose beads, cross-linked, 6% agarose                                                                                                                                                                                                                         |
| <b>Form</b>                | 25% (v/v) suspension in 20 mM sodium acetate with 20% ethanol, pH 6.6 (20 µl suspension corresponds to 5 µl magnetic beads)                                                                                                                                                        |
| <b>Bead size</b>           | 20–40 µm (30 µm average)                                                                                                                                                                                                                                                           |
| <b>Binding capacity</b>    | The protein binding capacity varies and depends on the specific application.                                                                                                                                                                                                       |
| <b>Metal ion capacity</b>  | >15 µeqv Zr <sup>4+</sup> /ml                                                                                                                                                                                                                                                      |
| <b>Compatible reagents</b> | 1 mM DTT, 1 mM EDTA, 100% methanol, 100% ethanol, 8 M urea, 6 M guanidinium hydrochloride, 30% (v/v) acetonitrile                                                                                                                                                                  |
| <b>Stability</b>           | 2 years after shipping                                                                                                                                                                                                                                                             |
| <b>Storage</b>             | 2–8 °C. Short-term: in equilibration buffer (50% ACN, 50% MeOH, 0.01% acetic acid); Long-term: in 20% ethanol                                                                                                                                                                      |
| <b>Shipping</b>            | Room temperature                                                                                                                                                                                                                                                                   |
| <b>Hazards</b>             | Product is not classified as hazardous according to (EC) No 1272/2008 [CLP].<br>A Material Safety Data Sheet is provided.                                                                                                                                                          |
| <b>Manufacturer</b>        | Cube Biotech                                                                                                                                                                                                                                                                       |

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