TUBE 1 (Magnetic Beads)

Based on protein domains known to possess an affinity for ubiquitin, Tandem Ubiquitin Binding Entities (TUBEs) have been developed for the isolation and identification of ubiquitylated proteins. TUBEs display up to a 1000-fold increase in affinity for polyubiquitin moieties over the single ubiquitin binding associated domain (UBA). In addition, TUBEs protect polyubiquitinated proteins from deubiquitination and proteasomal degradation, allowing for detection at relatively low abundance. These properties effectively allow TUBEs to “capture” protein in its polyubiqutinated state. TUBEs can be used to isolate, enrich, and identify ubiquitinated proteins from cell and tissue extracts. TUBE1 is based on UBAs from the protein ubiquilin. Magnetic beads coupled TUBE1 allow for efficient recovery of polyubiquitinated proteins in a single step without centrifuge. The magnetic TUBEs allows more complete removal of the unbound supernatant, which leads to lower background. Polyubiquitinated protein can easily be separated from TUBEs for proteomic studies or identification by Western blotting.

Ordering Information

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LSI-UM-0401M-1000	1ml

Manuals, SDS & CofA

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Handling & Storage

Shipping Blue Ice

Regulatory Status RUO - Research Use Only

Product Details

Application Notes Protein isolation

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