Lot # XXXXX

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MATERIAL DATA SHEET

Ubiquilin 1 Tandem UBA (TUBE2) Biotin, *human recombinant*
Cat. # UBE-115

Ubiquilin-1 contains an N-terminal Ubiquitin-like domain and a C-terminal Ubiquitin-associated domain. It associates with proteasomes and E3 ligases, and is thought to functionally link the Ubiquitination machinery to the proteasome to affect *in vivo* protein degradation. Ubiquilin-1 has been shown to modulate accumulation of presenilin proteins, and is found in lesions associated with Alzheimer's and Parkinson's disease. Tandem Ubiquitin Binding Entities (TUBEs) have been developed for the isolation and identification of Ubiquitinated proteins. TUBEs display increased affinity for poly-Ubiquitin moieties over single Ubiquitin binding associated domain (UBA). TUBEs also display a protective effect on poly-Ubiquitinated proteins, allowing for detection at relatively low abundance. This protein can be used for the isolation and identification of K48-linked (preferentially) or K63-linked poly-Ub chains or Ubiquitinated substrates that contain these linkages. Detection with avidin-linked reagents allows for a higher efficiency and detection sensitivity than with other antibodies.

Product Information	
Quantity:	250 µg
MW:	22 kDa
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 8.0, 200 mM NaCl, 1 mM DTT
Purity:	>95% by SDS-PAGE

Use & Storage	
Use:	Use 50-100 µg of protein to detect 2-25 µg of purified K48-linked Ub chains. The amount necessary for use in crude lysates must be determined empirically.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

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Literature

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