

MATERIAL DATA SHEET**His₆-UBE2W (Ubc16), isoform 2, human recombinant**
Cat. # E2-725

UBE2W (Ubc16) may play a role in Fanconi anemia tumor suppressor pathway by mono-ubiquitinating FANCD2 when in complex with the E3 ligase FANCL. This E2 has also been shown to catalyze the autoubiquitination of the BRCA1/BARD1 E3 complex, and to form K11 linked polyubiquitin chains *in vitro*. This protein contains an N-terminal 6-His tag.

Product Information

Quantity:	50 µg 100 µg
Stock:	X mg/ml (XµM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 2 mM DTT
MW:	19.5 kD
Purity:	> 90% by SDS-PAGE

Use & Storage

Use:	Typical enzyme concentration to support conjugation <i>in vitro</i> is 100 nM-1 µM depending on conditions.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Christensen D.E., <i>et al</i> (2007) <u>Nat Struct. & Mol. Bio.</u> 14 : 941-948 David Y., <i>et al.</i> (2010) <u>J Biol Chem.</u> 285 : 8595-8604 Zhang Y., <i>et al.</i> (2011) <u>Molecules & Cells</u> 31 : 113-122
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