

MATERIAL DATA SHEET**His₆-UbcH10/UBE2C, human recombinant**
Cat. # E2-650

UbcH10 is an essential mediator of mitotic destruction events and cell cycle progression. It catalyzes the destruction of cyclins A and B in conjunction with the anaphase-promoting complex. This activity is essential at the end of mitosis for the inactivation of their partner kinase Cdc2 and exit from mitosis into G1 of the next cell cycle.

Product Information

Quantity:	X µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 8.0, 125 mM NaCl, 10% glycerol, 1 mM DTT. Actual concentration will vary with specific Lot #.
MW:	20 kDa
Purity:	> 95 % 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:	Bastians H., <i>et al.</i> (1999) <u>Mol. Biol. Cell.</u> 10 :3927-3941 Hershko A. and Ciechanover A. (1998) <u>Ann. Rev. Biochem.</u> 67 :425-479 Lin Y., <i>et al.</i> (2002) <u>J. Biol. Chem.</u> 277 :21913-21921 Okamoto Y., <i>et al.</i> (2003) <u>Canc. Res.</u> 63 :4167-4173 Townsend F.M., <i>et al.</i> (1997) <u>Proc. Natl. Acad. Sci.</u> 94 :2362-2367
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