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MATERIAL DATA SHEET

His₆-UBE2N (Ubc13)/UBE2V1 (Uev1) Complex, *human recombinant* Cat. # E2-664

UBE2N (also known as Ubc13) forms a heterodimeric complex with UBE2V1 (also known as Uev1), and is able to assemble K63-linked poly-ubiquitin chains which have novel regulatory roles. These ubiquitin chains have a role in a variety of processes such as DNA repair, endocytosis, polysome stability and signal transduction pathways.

Product Information

Quantity:	100 µg
Stock:	X mg/ml (X µM) in 50 mM Hepes pH 8, 1 mM DTT, 200 mM NaCl, and 10% glycerol
MW:	19 kDa (UBE2N), 21 kDa (UBE2V1)
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:	Hofmann R.M., <i>et al.</i> (1999) <u>Cell</u> 96 :645-653
	Hofmann R.M. and Pickart C.M. (2001) <u>J. Biol. Chem.</u> 276 :27936-27943
	McKenna S., <i>et al.</i> (2001) <u>J. Biol. Chem.</u> 276 :40120-40126
	McKenna S., <i>et al.</i> (2003) <u>Biochem.</u> 42 :7922-7930
	Moraes T.F., <i>et al.</i> (2001) <u>Nat. Struc. Biol.</u> 8 :669-673
	VanDenmark A.P., <i>et al.</i> (2001) <u>Cell</u> 105 :711-720
	Yamaguchi T., <i>et al.</i> (1999) <u>J. Biochem.</u> 120 :494-497

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