

MATERIAL DATA SHEET**His₆-Uev1a (Mms2)/UBE2V1, human recombinant**
Cat. # E2-662

Ubiquitin E2 variant (UEV) proteins are similar to E2s in sequence but lack the active site cysteine residue. Uev1 is the human homolog of the yeast Mms2 protein. This particular UEV protein functions with the canonical E2 UbcH13 in the assembly of K63-linked poly-ubiquitin chains. 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:	X µg
Stock:	X mg/ml (X µM) in PBS, 10% glycerol, 1 mM DTT, pH 7.2. Actual concentration will vary with specific Lot #.
MW:	25 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:	Broomfield S., <i>et al.</i> (1998) 95 :5678-5683 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 Sancho E., <i>et al.</i> (1998) <u>Mol. Cell. Biol.</u> 18 :576-589 VanDenmark A.P., <i>et al.</i> (2001) <u>Cell.</u> 105 :711-720 Xiao W., <i>et al.</i> (1998) <u>Nuc. Acids. Res.</u> 26 :3908-3914 Yamaguchi T., <i>et al.</i> (1999) <u>J. Biochem.</u> 120 :494-497
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