

MATERIAL DATA SHEET**His₆-Ufc1, human recombinant**
Cat. # E2-675

Ufc1 has been identified as the E2-like conjugating enzyme for the ubiquitin-like modifier, Ufm1 (UL-500). The protein was originally discovered in HEK293 cells by immunoprecipitation using Flag-Uba5 (E-319), the E1-like activating enzyme of Ufm1. Ufc1 shares no homology to other E2 enzymes except for the region around the active site cysteine (Cys¹¹⁶) which is capable of forming a thioester bond with Ufm1. This protein contains an N-terminal His₆ tag.

Product Information

Quantity:	X µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 50 mM NaCl, 10% glycerol, 1 mM DTT. Actual concentration varies with lot #.
MW:	22.6 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:	Dou, T. <i>et al.</i> (2005) <u>Mol. Biol. Rep.</u> 32 : 265-271. Komatsu, M <i>et al.</i> (2004) <u>EMBO J.</u> 23 : 1977-1986.
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