

Human recombinant UBE2L3 (UbcH7)

CATALOG #:	6431-3	3 nmol
ALTERNATE NAMES:	Ubiquitin-conjugating enzyme E2 L3, EC 6.3.2.19, Ubiquitin-protein ligase L3, Ubiquitin carrier protein L3, UbcH7, E2-F1, L-UBC, UbcM4.	
MOL. WEIGHT:	17.861 kDa	
PURITY:	≥95% by RP-HPLC	
FORMULATION:	75 µL of a 40 µM solution (3 nmoles) in 50 mM Tris, pH 7.5, 150 mM NaCl, 10 mM DTT and 10% glycerol.	
SOLUBILITY:	>3 mg/ml	
ACTIVITY:	Typical enzyme concentration of 100 nM - 1 mM is used for in vitro conjugation, depending on conditions.	
STORAGE CONDITIONS:	Aliquot and store at -80°C. Avoid repeated freezing and thawing cycles.	

DESCRIPTION:

UBE2L3 (UbcH7) is an E2 (ubiquitin conjugating enzyme) ligase involved in the conjugation of ubiquitin to target substrates, along with E1 and E3 enzymes. UbcH7 has been shown to work with HECT domain E3's (E6-AP), in addition to RING containing E3's. UbcH7 is homologous to the UbcH5 family.

APPLICATIONS

- Identify cognate E2/E3 pairs
- Characterize upregulation/downregulation of E2 enzymes
- Build poly-ubiquitin chains
- Characterize ubiquitin chain specificity of E2 enzymes
- Analyze expression of E2 enzymes

RELATED PRODUCTS:

- Human recombinant UCHL1 (Cat. No. 6306-100)
- Human recombinant UCHL3 (Cat. No. 6358-100)
- Human recombinant UCHL5 (Cat. No. 6359-100)
- UbcH1, human recombinant (GST-tag) (Cat. No. 4846-10, -100)
- UbcH5a, human recombinant (His-tag) (Cat. No. 4851-10, -100)
- UbcH5b, human recombinant (His-tag) (Cat. No. 4852-10, -100)
- UCHL1, human recombinant (GST-tag) (Cat. No. 4855-50)
- Human recombinant UBE2D3 (UbcH5c) (Cat. No. 6430-3)
- Human recombinant UBE2K (UbcH1) (Cat. No. 6432-3)
- Yeast recombinant Ubc13 (UBE2N) (Cat. No. 6433-3)
- Yeast recombinant Mms2 (UEV-2) (Cat. No. 6434-3)
- Human recombinant UBE2D2 (UbcH5b) (Cat. No. 6435-3)
- Human recombinant UBE2R1 (CDC34) (Cat. No. 6436-3)
- Human recombinant UBE2R2 (Ubc3B) (Cat. No. 6437-3)
- Human recombinant UBE2E2 (UbcH8) (Cat. No. 6438-3)
- Human recombinant UBE2E3 (UbcH9) (Cat. No. 6439-3)
- Human recombinant UBE2H (UbcH2) HIS (Cat. No. 6440-3)
- Human recombinant UBE2H (UbcH2), HIS₆SUMO (Cat. No. 6441-3)

FOR RESEARCH USE ONLY! Not to be used in humans.