

Human recombinant UBE2E2 (UbcH8)

CATALOG #:	6438-3	3 nmol
ALTERNATE NAMES:	RIG-B, UBCH8, MGC40331, UBE2L6, Ubiquitin/ISG15-conjugating enzyme E2 L6, Ubiquitin-protein ligase L6, Ubiquitin carrier protein L6, and Retinoic acid-induced gene B protein.	
MOL. WEIGHT:	22.255 kDa.	
PURITY:	≥95% by RP-HPLC	
FORMULATION:	75 µL of a 40 µM solution (3 nmoles) in 20 mM Tris, pH 7.4, 150 mM NaCl, 10 mM DTT and 10% glycerol.	
SOLUBILITY:	>3 mg/ml	
ACTIVITY:	Protein concentration of 100 nM - 1 µM is recommended for in vitro conjugation.	
STORAGE CONDITIONS:	Aliquot and store at -80°C. Avoid repeated freezing and thawing cycles.	

DESCRIPTION:

Ubiquitin-conjugating enzyme E2 (UBE2E2) is a protein that in humans is encoded by the UBE2E2 gene. Amino acid sequence within the UBC domain of UBE2E2 shares over 90% identity with human UbcH6, mouse UbcM2, and Drosophila UbcD2, whereas the N-terminal region shows little amino acid sequence similarity with known proteins. The UBE2E2 protein forms a thioester bond with ubiquitin in an E1-dependent manner and mediates the transfer of ubiquitin from a ubiquitin-activating enzyme (E1) to a substrate protein or E3 ligase.

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 UBE2L3 (UbcH7) (Cat. No. 6431-3)
- 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 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.