

Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

UbcH2/UBE2H, human recombinant

Cat. # E2-607

This E2 enzyme encodes for the human homolog of the yeast Ubc8 gene. UbcH2 can conjugate ubiquitin to histone H2A in an E3-independent manner *in vitro*. This E2 enzyme is also involved in the ubiquitination of N-end rule pathway substrates, and can function in conjugation with the E3 α ligase enzyme. Additionally, UbcH2 may have a role in sepsis-induced muscle protein proteolysis and cancer-induced cachexia. Accession # NP_003335.

Product Information

Quantity:	X μ g
Stock:	X mg/ml (X μ M) in 50 mM HEPES pH 8.0, 100 mM NaCl, 10% glycerol. Actual concentration will vary with specific Lot #.
MW:	17 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical enzyme concentration to support conjugation <i>in vitro</i> is 100 nM-1 μ M depending on conditions.
Storage:	Store at -80°C. Avoid multiple freeze/ thaw cycles.

Literature

References:	Baboshina O.V., <i>et al.</i> (2001) <u>J. Biol. Chem.</u> 276 :39428-39437
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