Lot # XXXX

BostonBiochem

MATERIAL DATA SHEET

UbcH5a, *human recombinant*
Cat. # E2-616

UbcH5 enzymes are human homologs of the yeast UBC4/5 family and play many important regulatory roles in inflammation and cancer. UbcH5a mediates the degradation of a myriad of short-lived regulatory proteins (such as p53 in the presence of E6/E6-AP or MDM2, c-Fos, IκBα, p105) and abnormal proteins. UbcH5a has 89% and 88% sequence identity with UbcH5b and UbcH5c respectively.

Product Information

Quantity:	X µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 8.0, 100 mM NaCl, 10% glycerol. Actual concentration varies with lot number.
MW:	17 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical enzyme concentration to support conjugation *in vitro* is 100 nM-1 µM depending on conditions.
Storage:	Store at -80°C. Avoid multiple freeze-thaw cycles.

Literature

References:

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Nuber U. And Scheffner M. (1999) J. Biol. Chem. **274**:7576-7582
Scheffner M., *et al.* (1994) Proc. Natl. Acad. Sci. **91**:8797-8801
Schwarz S.E., *et al.* (1998) J. Biol. Chem. **273**:12148-12154

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840 Memorial Drive, Cambridge, MA 02139 Phone: 617-241-7072 FAX: 617-492-3565
www.bostonbiochem.com