

MATERIAL DATA SHEET**GST-UbcH5b, human recombinant****Cat. # E2-620**

UbcH5 enzymes are human homologs of the yeast UBC4/5 family and play many important regulatory roles in inflammation and cancer. UbcH5b 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. UbcH5b has 89% and 88% sequence identity with UbcH5a and UbcH5c respectively. This protein has an N-terminal GST tag.

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:	43 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:	Brzovic P.S., <i>et al.</i> (2006) <u>Cell Cycle</u> 5 :2867-2873 Jensen J., <i>et al.</i> (1995) <u>J. Biol. Chem.</u> 270 :30408-30414 Nuber U. And Scheffner M. (1999) <u>J. Biol. Chem.</u> 274 :7576-7582 Rolfe M., <i>et al.</i> (1995) <u>Proc. Natl. Acad. Sci.</u> 92 :3264-3268 Scheffner M., <i>et al.</i> (1994) <u>Proc. Natl. Acad. Sci.</u> 91 :8797-8801 Schwarz S.E., <i>et al.</i> (1998) <u>J. Biol. Chem.</u> 273 :12148-12154
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