

MATERIAL DATA SHEET**GST-UbcH5c/UBE2D3, human recombinant**
Cat. # E2-625

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. UbcH5c has 88% and 89% sequence identity with UbcH5a and UbcH5b respectively. This protein has an N-terminal GST tag.

Product Information

Quantity:	X µg
Stock:	[E2] = X mg/ml (X µM) in 50 mM HEPES pH 7.6, 50 mM NaCl, 10% glycerol, 1 mM DTT. 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 Gehrke S.G., <i>et al.</i> (2003) <u>Blood</u> . 101 :3288-3293 Nuber U. And Scheffner M. (1999) <u>J. Biol. Chem.</u> 274 :7576-7582 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
--------------------	--

For Laboratory Research Use Only, Not For Use in Humans