Lot # XXXX

BostonBiochem

MATERIAL DATA SHEET

UBE2I (Ubc9) Dominant Negative, *human recombinant*
Cat. # E2-646

UBE2I (Ubc9) is a member of the E2 family and is homologous to ubiquitin-conjugating enzymes, but is specific for the conjugation of SUMO to a variety of target proteins. This E2 is unusual in that it interacts directly with protein substrates that are modified by SUMOylation, and may play a role in substrate recognition. UbcH9 can mediate the conjugation of all SUMOs to a variety of proteins including RanGAP1, IκBα, and PML without the requirement of an E3 ligase. This enzyme has a mutation of the active site from cysteine to serine which abolishes the ability of UbcH9 to transfer ubiquitin to an accepting E3 protein. Ideal for use as a negative or competitive control, or to study protein-protein interactions.

Product Information	
Quantity:	X µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.6, 125 mM NaCl, 10% glycerol, 1 mM DTT. Actual concentration will vary with specific Lot #.
MW:	20 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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