

**MATERIAL DATA SHEET****His<sub>6</sub>-UbcH6 Dominant Negative, *human recombinant*  
Cat. # E2-632**

UbcH6 mediates the selective degradation of short-lived and abnormal proteins. The enzyme has high similarity to UbcH5 E2 subfamily, but it does not participate in HECT-domain mediated events. This enzyme has a mutation of the active site from cysteine to serine which abolishes the ability of UbcH6 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**

|                  |   |
|------------------|---|
| <b>Quantity:</b> | X µg  |
| <b>Stock:</b>    | X mg/ml (X µM) in PBS, 10% glycerol, 1 mM DTT, pH 7.2.<br>Actual concentration will vary with specific Lot #. |
| <b>MW:</b>       | 21 kDa  |
| <b>Purity:</b>   | >95 % by SDS-PAGE   |

**Use & Storage**

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

**Literature**

|                    |   |
|--------------------|---|
| <b>References:</b> | Nuber U., <i>et al.</i> (1996) <u>J. Biol. Chem.</u> <b>271</b> : 2795-800. |
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***For Laboratory Research Use Only, Not For Use in Humans***