

## Recombinant Human UBE2I/UBC9 Protein (GST Tag)

**Catalog Number:** PKSH033308

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

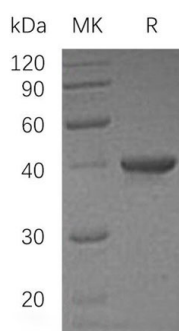
### Description

|                      |  |
|----------------------|--|
| <b>Species</b>       | Human  |
| <b>Source</b>        | E.coli-derived Human UBE2I/UBC9 protein Met 1-Ser158, with an N-terminal GST |
| <b>Calculated MW</b> | 44.4 kDa   |
| <b>Observed MW</b>   | 40 kDa   |
| <b>Accession</b>     | P63279   |
| <b>Bio-activity</b>  | Not validated for activity   |

### Properties

|                      |   |
|----------------------|---|
| <b>Purity</b>        | > 95 % as determined by reducing SDS-PAGE.  |
| <b>Concentration</b> | Subject to label value.   |
| <b>Endotoxin</b>     | < 1.0 EU per µg of the protein as determined by the LAL method.   |
| <b>Storage</b>       | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.  |
| <b>Shipping</b>      | This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C. |
| <b>Formulation</b>   | Supplied as a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, pH 7.5.   |

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

SUMO-Conjugating Enzyme UBC9 (UBC9) belongs to the ubiquitin-conjugating enzyme family. UBC9 is homologous to ubiquitin-conjugating enzymes (E2s). However, instead of conjugating ubiquitin; UBC9 conjugates a ubiquitin homologue; Small Ubiquitin-Like Modifier 1 (SUMO-1). The conjugation of ubiquitin requires the activities of ubiquitin-activating (E1) and conjugating (E2) enzymes. It is suggested that UBC9 might play a role in DNA repair and perhaps even in aging.

### For Research Use Only

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