

### Product Data:

**Product SKU:** RPES1628

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** P63279

### Protein Information:

**Molecular Mass:** 44.4 kDa

**AP Molecular Mass:** 40 kDa

**Tag:** N-GST

**Bio-activity:**

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** 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.

**Formulation:** Supplied as a 0.2 µm filtered solution of 50mM HEPES, 150mM NaCl, pH 7.5.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** SUMO-Conjugating Enzyme UBC9; SUMO-Protein Ligase; Ubiquitin Carrier Protein 9; Ubiquitin Carrier Protein I; Ubiquitin-Conjugating Enzyme E2 I; Ubiquitin-Protein Ligase I; p18; UBE2I; UBC9; UBCE9

## Immunogen Information:

**Sequence:** Met 1-Ser158

## 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). 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.