



Recombinant Protein Technical Manual

Recombinant Human UBE2C Protein (His Tag)

RPES1981

Product Data:

Product SKU: RPES1981

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: O00762

Protein Information:

Molecular Mass: 23.3 kDa

AP Molecular Mass: 189 kDa

Tag: N-6His

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 20mM PB, 150mM NaCl, pH 7.0.

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

Application:

Synonyms: Ubiquitin-Conjugating Enzyme E2 C; UbcH10; Ubiquitin Carrier Protein C; Ubiquitin-Protein Ligase C; UBE2C; UBCH10

Immunogen Information:

Sequence: Met 1-Pro179

Background:

Ubiquitin-Conjugating Enzyme E2 C (UBE2C) is a 179 amino acid enzyme that belongs to the Ubiquitin-Conjugating Enzyme family. UBE2C is highly expressed in tumor tissues and at low levels in most adult normal tissues. UBE2C is required for the destruction of mitotic cyclins and for cell cycle progression. UBE2C accepts Ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. It acts as an essential factor of the anaphase promoting complex/cyclosome (APC/C), which has E3 ubiquitin ligase activity, and targets for destruction substrates from the preceding mitosis (Cyclin A, Cyclin B, Securin, Geminin).