



Recombinant Protein Technical Manual

Recombinant Human UBE2T Protein (His Tag)

RPES2090

Product Data:

Product SKU: RPES2090

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9NPD8

Protein Information:

Molecular Mass: 24.7 kDa

AP Molecular Mass: 25 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 50mM HEPES, 150mM NaCl, 2mM DTT, 10% Glycerol, pH 7.5.

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

Application:

Synonyms: Ubiquitin-Conjugating Enzyme E2 T; Cell Proliferation-Inducing Gene 50 Protein; Ubiquitin Carrier Protein T; Ubiquitin-Protein Ligase T; UBE2T

Immunogen Information:

Sequence: Met 1-Val197

Background:

Ubiquitin-Conjugating Enzyme E2 T (UBE2T) is a ligase that belongs to the Ubiquitin-Conjugating Enzyme family. UBE2T accepts the ATP-dependent ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, UBE2T is able to catalyze polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys1'-, 'Lys-27'-, 'Lys-48'- and 'Lys-63'-linked polyubiquitination. UBE2T is an important factor of the Faconi anemia pathway of DNA damage repair and, upon self-inactivation, may negatively regulate the Faconi pathway.