



Recombinant Protein Technical Manual

Recombinant Human UBE2D4 Protein (GST Tag)

RPES1649

Product Data:

Product SKU: RPES1649

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: Q9Y2X8

Protein Information:

Molecular Mass: 43.5 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, 2mM DTT, 10% Glycerol, pH 7.5.

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

Application:

Synonyms: Ubiquitin-Conjugating Enzyme E2 D4; HBUCE1; Ubiquitin Carrier Protein D4; Ubiquitin-Protein Ligase D4; UBE2D4; UBCH5D

Immunogen Information:

Sequence: Met 1-Met 147

Background:

Ubiquitin-Conjugating Enzyme E2 D4 (UBE2D4) is a ligase that belongs to the Ubiquitin-Conjugating Enzyme family. UBE2D4 has been proposed to participate in Ubl conjugation pathway. UBE2D4 takes part in post-translational protein modification, protein K6-linked ubiquitination, protein K11-linked ubiquitination, protein K27-linked ubiquitination, protein K29-linked ubiquitination, protein K48-linked ubiquitination, and protein K63-linked ubiquitination. UBE2D4 regulate of protein metabolic process. UBE2D4 accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, UBE2D4 able to promote polyubiquitination using all 7 ubiquitin Lys residues, but may prefer 'Lys1' and 'Lys-48'-linked poly-ubiquitination.