



Recombinant Protein Technical Manual

Recombinant Human UBE2D1 Protein (His Tag)

RPES1575

Product Data:

Product SKU: RPES1575

Size: 50µg

Species: Human

Expression host: E. coli

Uniprot: P51668

Protein Information:

Molecular Mass: 18.3 kDa

AP Molecular Mass:

Tag: N-His

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: Please contact us for more information.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile 25mM Tris, 100mM NaCl, 20% glycerol, 0.05% Tween

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

Application:

Synonyms: Ubiquitin-conjugating enzyme E2 D1; Stimulator of Fe transport; SFT; UBC4/5 homolog; UbcH5; Ubiquitin carrier protein D1; Ubiquitin-conjugating enzyme E2(17)KB 1; Ubiquitin-conjugating enzyme E27 kDa 1; Ubiquitin-protein ligase D1; SFT; UBC5A; UBCH5; UBCH5A

Immunogen Information:

Sequence: Ala 2-Met 147

Background:

Ubiquitin-conjugating enzyme E2 D1 (UBE2D1), a member of human E2 ubiquitin-conjugating enzymes, is closely related to SFT, which is short for stimulator of iron (Fe) transport. In other words, UbcH5A is significantly up-regulated in the liver of iron-overloaded patients with hereditary hemochromatosis, as previously published for SFT. Moreover, a complex of UBE2D1 is critical in maintaining KRAS protein stability and propose that targeting such complex may be a unique strategy to degrade mutant KRAS to kill cancer cells.