

Product Data:

Product SKU: RPES2834

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P51668

Protein Information:

Molecular Mass: 42.9 kDa

AP Molecular Mass: 25&50 kDa

Tag: N-GST

Bio-activity:

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

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

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 a 0.2 µm filtered solution of 50mM HEPES,150mM NaCl,2mM DTT,10% Glycerin,pH7.5.

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: Met 1-Met 147

Background:

Ubiquitin-conjugating enzyme E2 D1 (UBE2D1) belongs to the ubiquitin-conjugating enzyme family. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This enzyme is closely related to a stimulator of iron transport (SFT), and is up-regulated in hereditary hemochromatosis. It also functions in the ubiquitination of the tumor-suppressor protein p53 and the hypoxia-inducible transcription factor HIF1alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases.