

Recombinant Human UBE2D1 Protein (His Tag)

Catalog Number: PKSH031122

Note: Centrifuge before opening to ensure complete recovery of vial contents.

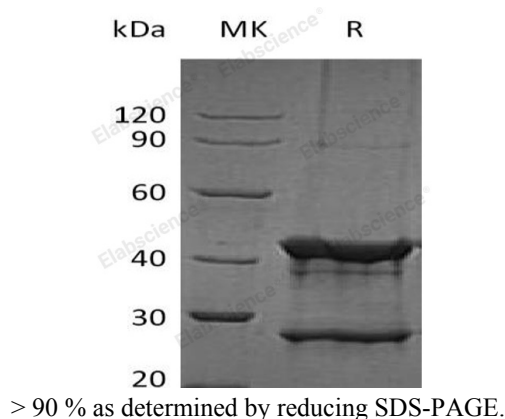
Description

Species	Human
Source	E.coli-derived Human UBE2D1 protein Ala 2-Met 147, with an N-terminal His
Calculated MW	18.3 kDa
Accession	P51668
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, 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 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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.

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