

UBE2D1 Protein, Human, Recombinant (GST)

General Information

Synonyms:	Ubiquitin-conjugating enzyme E2(17)KB 1;UB;Ubch5;UBC5A;Stimulator of Fe transport; Ubiquitin carrier protein D1;Ubiquitin-conjugating enzyme E2-17 kDa 1;UBC4/5 homolog; Ubiquitin-conjugating enzyme E2 D1;Ubiquitin-protein ligase D1;SFT
Protein Construction:	Met1-Met147
Species:	Human
Expression Host:	E. coli
Accession:	P51668
Molecular Weight:	40 KDa (reducing condition)
AA Sequence:	Met1-Met147

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/μg (1 EU/μg) as determined by LAL test.
Formulation:	Supplied as a 0.2 μm filtered solution of 50 mM HEPES, 150 mM NaCl, 2 mM DTT, 10% Glycerol, pH 7.5.

Preparation and Storage

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein 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 HIF1 alpha by interacting with the E1 ubiquitin-activating enzyme and the E3 ubiquitin-protein ligases.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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