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## Product Data Sheet

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Product Name: UBE2D2 Human, His

Cat. No.: GP22347

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5); UBC4; Ubiquitin carrier protein D2; Ubiquitin-conjugating enzyme E2-17 kDa 2; Ubiquitin-protein ligase D2; UBCH5B; EC 6.3.2.19; E2(17)KB2; PUBC1; UBC4/5; UBC5B; UBCH4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MALKRIHKEL NDLARDPPAQ CSAGPVGDDM FHWQATIMGP NDSFYQGGVF FLTIHFPTDY PFKPPKVAFT TRIYHPNINS NGSICLDILR SQWSPALTIS KVLLSICSL CDPNPDDPLV PEIARIYKTD REKYNRIARE WTQKYAM.		
Formulation	The UBE2D2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 10% glycerol.		

**Introduction**

UBE2D2 belongs to the E2 ubiquitin-conjugating enzyme family. UBE2D2 takes part in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase. UBE2D2 catalyzes ubiquitination of I $\kappa$ B- $\alpha$  in a SCFB-TRCP and phosphorylation dependent method.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

UBE2D2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 167 amino acids (1-147) and having a molecular mass of 18.9 kDa. The UBE2D2 is fused to a 20 amino acid His-Tag at N-terminus and purified by

**Caution: Product has not been fully validated for medical applications. For research use only.**

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proprietary chromatographic techniques.

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