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## Product Data Sheet

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Product Name: UBE2D4 Human  
 Cat. No.: GP22350  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Ubiquitin-conjugating enzyme E2D 4 (putative); UBCH5D; HBUCE1; Ubiquitin carrier protein D4; Ubiquitin-protein ligase D4; EC 6.3.2.19.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MALKRIQKEL TDLQRDPPAQ CSAGPVGDDL FHWQATIMGP NDSPYQGGVF FLTIHFPTDY PFKPPKVAFT TKIYHPNINS NGSICLDILR SQWSPALTVS KVLISCSLL CDPNPDDPLV PEIAHTYKAD REKYNRLARE WTQKYAM		
Formulation	The SRGN solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 0.1M NaCl and 10% glycerol.		

### Introduction

UBE2D4 is a member of the ubiquitin-conjugating enzyme family. Ubiquitin-conjugating enzymes (E2 enzymes or ubiquitin-carrier enzymes) execute the second step in the ubiquitination reaction which marks a protein for degradation using the proteasome. UBE2D4 receives ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro UBE2D4 can promote polyubiquitination using all 7 ubiquitin Lys residues, but usually selects 'Lys-11' and 'Lys-48'-linked polyubiquitination.

### 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

UBE2D4 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

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

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18.8 kDa.UBE2D4 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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