

## Product Data Sheet

Product Name: UBE2L3 Human His  
 Cat. No.: GP22362  
 Batch No.: 1

### Product Data

Purity >98% Source Escherichia Coli.  
 Physical Appearance solid Shipping Condition Shipped at Room temp

Synonyms Ubiquitin-conjugating enzyme E2 L3; EC 6.3.2.19; Ubiquitin-protein ligase L3; Ubiquitin carrier protein L3; UbcH7; E2-F1; L-UBC; Ubc

Amino Acid Sequence MHHHHHHAMAASRRMLKELEEIRKCGMKNFRNIQVDEANLLTWQGLIVPDNPPYDKGAFRIEINFPAEYFPKPPKITFKTKIYHPNIDEKGQVCLPVISAEN

Solubility It is recommended to reconstitute the lyophilized UBE2L3 in sterile water not less than 100µg/ml, which can then be further diluted  
 Formulation Lyophilized from a 0.2µm filtered concentrated (1 mg/ml) solution in 1X PBS and 1mM DTT, pH 7.5.

### Introduction

Human Ubiquitin Conjugating Enzyme 7 (UbcH7) is a class I enzyme which functions in the stress response and the control of transcription factors. The enzyme is ubiquitously expressed with high levels of expression seen in adult muscle. UbcH7 mediates the selective degradation of short-lived and abnormal proteins and is highly homologous to UbcH5. It has been demonstrated to participate in the ubiquitinylation of p53, c-Fos and NF-κB. UbcH7 is one of two E2s (UbcH5 being the other) with which HECT domain proteins interact with UbcH7 being able to efficiently substitute for UbcH5 in E6-AP-dependent ubiquitinylation.

### Stability

Lyophilized UBE2L3 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution UBE2L3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

Ubiquitin-Conjugating Enzyme E2L 3 Human Recombinant produced in E.coli is an 18.9 kDa protein containing 162 amino acids. The UBE2L3 protein contains 6xHis tag and is purified by proprietary chromatographic techniques.

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

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