

## Product Data Sheet

Product Name: UBE2I Human His  
 Cat. No.: GP22358  
 Batch No.: 1

### Product Data

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

Synonyms SUMO-conjugating enzyme UBC9; EC 6.3.2.-; SUMO-protein ligase; Ubiquitin-conjugating enzyme E2 I; Ubiquitin-protein ligase I; Ub

Amino Acid Sequence MHHHHHHAMGTLNMSGIALSRLAQERKAWRKDHPFGFVAVPTKNPDGTMNLMNWECAIPGKKGTPWEGGLFKRMLFKDDYPSSPPKCKFEPPLFHF

Solubility It is recommended to reconstitute the lyophilized UBE2I in sterile water not less than 100µg/ml, which can then be further diluted to

Formulation Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in 1X PBS and 1mM DTT, pH 7.5.

### Introduction

Human Ubiquitin Conjugating Enzyme 9 (Ubc9) is a member of the E2 family and is specific for the conjugation of SUMO to a variety of target proteins. SUMO conjugation to target proteins is mediated by a different, but analogous, pathway to ubiquitylation. This E2 is unusual in that it interacts directly with protein substrates that are modified by sumoylation, and may play a role in substrate recognition. Ubc9 can mediate the conjugation of SUMO-1 to a variety of proteins including RanGAP1, I?B?, and PML without the requirement of an E3 ligase.

### Stability

Lyophilized UBE2I although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution UBE2I 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 E2I Human Recombinant produced in E.coli is a 19.5 kDa protein containing 171 amino acids.The UBE2I 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.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA