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## Product Data Sheet

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Product Name: UBE2I Human  
 Cat. No.: GP22357  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	SUMO-conjugating enzyme UBC9; EC 6.3.2.-; SUMO-protein ligase; Ubiquitin-conjugating enzyme E2 I; Ubiquitin-protein ligase I; Ubiquitin carrier protein I; Ubiquitin carrier protein 9; p18; UBC9; C358B7.1.		
Amino Acid Sequence	MSGIALSRLA QERKAWRKDH PFGFVAVPTK NPDGTMNLMN WECAIPGKKG TPWEGGLFKL RMLFKDDYPS SPPKCKFEPP LFHPNVYPSG TVCLSILEED KDWRPAITIK QILLGIQELL NEPNIQDPAQ AEAYTIYCQN RVEYEKRVRA QAKKFAPS.		
Formulation	The protein (1 mg/ml) contains 50mM HEPES (pH7.5) 150mM NaCl, 1mM DTT, and 10% glycerol.		

### Introduction

Human Ubc9 is homologous to ubiquitin-conjugating enzymes (E2s). However, instead of conjugating ubiquitin, it conjugates a ubiquitin homologue, small ubiquitin-like modifier 1(SUMO-1). And hUbc9 retains striking structural and functional conservation with yeast Ubc9. The ubiquitin-dependent protein degradation system has been recognized as a complete enzymatic pathway that is responsible for the selective degradation of abnormal and short-lived proteins. The conjugation of ubiquitin requires the activities of ubiquitin-activating (E1) and  $\mu$ Cconjugating (E2) enzymes.

### 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

Ubiquitin-Conjugating Enzyme E2I Human Recombinant produced in E.Coli is a single,

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non-glycosylated polypeptide chain containing 154 amino acids & having a molecular mass of 17.9 kDa.

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