

## UBE2I

### Recombinant Human Ubiquitin Conjugating Enzyme E2I His

<b>Catalog No.</b>	CSI10682 CSI10683 CSI10684	<b>Quantity:</b>	10 µg 50 µg 1.0 mg
<b>Alternate Names:</b>	SUMO-conjugating enzyme UBC9, SUMO-protein ligase, Ubiquitin-conjugating enzyme E2 I, Ubiquitin-protein ligase I, Ubiquitin carrier protein I, Ubiquitin carrier protein 9, p18, UBC9.		
<b>Description:</b>	<p>Human Ubiquitin Conjugating Enzyme 2EI 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 enzyme is unusual in that it interacts directly with protein substrates that are modified by sumoylation, and may play a role in substrate recognition. UBE2I can mediate the conjugation of SUMO-1 to a variety of proteins including RanGAP1, IκBα, and PML without the requirement of an E3 ligase.</p> <p>Recombinant Human Ubiquitin-Conjugating Enzyme E2I is a 19.5 kDa protein containing 171 amino acids. The UBE2I protein contains a 6x His tag and is purified by proprietary chromatographic techniques.</p>		
<b>Physical Appearance:</b>	Sterile Filtered white lyophilized powder		
<b>Gene ID:</b>	7329		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	19.5 kDa		
<b>Formulation:</b>	Lyophilized from a 0.2 µm filtered concentrated (1 mg/ml) solution in PBS + 1 mM DTT, pH 7.5.		
<b>Purity:</b>	> 95.0% as determined by RP-HPLC and SDS-PAGE.		
<b>Amino Acid Sequence:</b>	MHHHHHHAMG TLNMSGIALS RLAQERKAWR KDHPFGFVAV PTKNPDGTMN LMNWECAIPG KKGTPWEGGL FKLRLFKDD YPSSPPKCKF EPPLFHPNVY PSGTVCLSIL EEDKDWRPAI TIKQILLGIQ ELLNEPNIQD PAQAEAYTIY CQNRVEYEKR VRAQAKKFAP S.		
<b>Reconstitution:</b>	It is recommended to reconstitute the lyophilized UBE2I in sterile water not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
<b>Storage &amp; Stability:</b>	Lyophilized UBE2I should be stored desiccated below -20°C. Upon reconstitution, UBE2I may be stored at 2-4°C for 1 week. For future use, store below -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). <b>Avoid repeated freeze-thaw cycles.</b>		

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