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32-2891: UBE2I His Recombinant Protein

Alternative Name :	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.

Description

Source : Escherichia Coli. 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. Human Ubquitin 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 ubiquitinylation. This E2 is unusual in that it interacts directly with protein substrates that are modified by sumolyation, 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.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in 1X PBS and 1mM DTT, pH 7.5.
Storage condition :	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.
Amino Acid :	MHHHHHHAMGTLNMSGIALSRLAQERKAWRKDHPFGFVAVPTKNPDGTMNLMNWECAIPGKKG TPWEGGLFKLRMLFKDDYPSSPPKCKFEPPLFHPNVYPSGTVCLSILEEDKDWRPAITIKQILLGIQE LLNEPNIQDPAQAEAYTIYCQNRVEYEKRVRAQAKKFAPS.

Application Note

It is recommended to reconstitute the lyophilized UBE2I in sterile water not less than 100Âµg/ml, which can then be further diluted to other aqueous solutions.