

UBE2I Human His

Description: 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.

Catalog #: ENPS-281

For research use only.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered white lyophilized powder.

Amino Acid Sequence:

MHHHHHHAMGTLNMSGIALSRLAQERKAWRKDHPFGFVAVPTKNPDGTMNLMNWECAIPGKK
GTPWEGGLFKLRMLFKDDYPSSPPKCKFEPPLFHPNVYPSGTVCLSILEEDKDWRPAITIKQILLGI
QELLNEPNIQDPAQAEAYTIYCQNRVEYEKRVRAQAKKFAPS.

Purity: Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Formulation:

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

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

It is recommended to reconstitute the lyophilized UBE2I in sterile water not less than 100

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 ubiquitinylation. 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, IB, and PML without the requirement of an E3 ligase.

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