



Product Datasheet

Product Name	Ubiquitin-Conjugating Enzyme E2I Human Recombinant
Cata No	CB500517
Source	<i>Escherichia Coli.</i> .
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.

Description

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 –conjugating (E2) enzymes.

Ubiquitin-Conjugating Enzyme E2I Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 154 amino acids & having a molecular mass of 17.9 kDa.

Physical Appearance

Sterile filtered colorless solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The protein (1 mg/ml) contains 50mM HEPES (pH7.5) 150mM NaCl, 1mM DTT, and 10% glycerol.

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.

Sequence

MSGIALSRLA QERKAWRKDH PFGFVAVPTK
NPDGTMNLMN WECAIPGKKG TPWEGGLFKL
RMLFKDDYPS SPPKCKFEPP LFHPNVYPSG
TVCLSILEED KDWRPAITIK QILLGIQELL
NEPNIQDPAQ AEAYTIYCQN RVEYEKRVRA
QAKKFAPS