



Product Datasheet

Product Name	Ubiquitin-Conjugating Enzyme E2L 3 Human Recombinant
Cata No	CB500518
Source	<i>Escherichia Coli.</i>
Synonyms	Ubiquitin-conjugating enzyme E2 L3, EC 6.3.2.19, Ubiquitin-protein ligase L3, Ubiquitin carrier protein L3, UbcH7, E2-F1, L-UBC, UbcM4.

Description

Human Ubiquitin-conjugating enzyme 7 (UbcH7) is a ubiquitin-conjugating enzyme (E2) mediating c-fos degradation, transcription factor NF-B maturation, and human papilloma virus-mediated p53 and Myc protein degradation, in vitro. The ubiquitin-conjugating enzymes (E2s) are essential components of the post-translational protein ubiquitination pathway, mediating the transfer of activated ubiquitin to substrate proteins. The human UBE2L1-UBE2L4 gene could potentially encode different isoforms of the UbcH7. UBE2L3 gene, located at chromosome 22q11.2, is the only identical family member with introns and encodes a polypeptide sequence identical to that of UbcH7. Ubiquitin-Conjugating Enzyme E2L 3 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 contains 50mM HEPES (pH-7.5) 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

MAASRRLMKE LEEIRKCGMK NFRNIQVDEA
NLLTWQGLIV PDNPPYDKGA FRIEINFPAE
YPFKPPKITF KTKIYHPNID EKGQVCLPVI
SAENWKPATK TDQVIQSLIA LVNDPQPEHP
LRADLAEYS KDRKKFCKNA EEFTKKYGEK
RPVD