

## UBE2L3 Human

**Description:** Ubiquitin-Conjugating Enzyme E2L3 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.

Catalog #:ENPS-349

**Synonyms:** Ubiquitin-conjugating enzyme E2L3, EC 6.3.2.19, Ubiquitin-protein ligase L3, Ubiquitin carrier protein L3, UbcH7, E2-F1, L-UBC, UbcM4.

For research use only.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MAASRRLMKE LEEIRKCGMK NFRNIQVDEA NLLTWQGLIV  
PDNPPYDKGA FRIEINFPAE YPFKPPKITF KTKIYHPNID EKGQVCLPVI SAENWKPATK  
TDQVIQSLIA LVNDPQPEHP LRADLAEYS KDRKKFCKNA EEFTKKGK RPVD.

**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.

### Usage:

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

### Introduction:

Human Ubiquitin-conjugating enzyme 7 (UbcH7) is a ubiquitin-conjugating enzyme (E2) mediating c-fos degradation, transcription factor NF- $\kappa$ 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.

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