Recombinant human UbcH7/UBE2L3 protein

Catalog Number: UBC3003

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-154aa

UniProt No.
P68036

NCBI Accession No.
NP_003338

Alternative Names
Ubiquitin-conjugating enzyme E2 L3, E2 ubiquitin-conjugating enzyme L3, L-UBC, UbcH7, Ubiquitin carrier protein L3, Ubiquitin-conjugating enzyme E2-F1, Ubiquitin-protein ligase L3, UBCE7, UBCH7

PRODUCT SPECIFICATION

Molecular Weight
17.9 kDa (154aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 50mM HEPES buffer (pH 7.4) containing 150mM NaCl, 1mM DTT, 10% glycerol

Purity
> 95% by SDS-PAGE

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description
Human ubquitin-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

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at chromosome 22q11. 2, is the only identical family member with introns and encodes a polypeptide sequence identical to that of ubcH7. ubcH7 (154amino acid) was over-expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

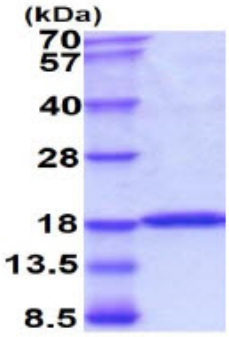
MAASRRLMKE LEEIRKCGMK NFRNIQVDEA NLLTWQGLIV PDNPPYDKGA FRIEINFPAE YPFKPPKITF KTKIYHPNID EKGQVCLPVI SAENWKPATK TDQVIQSLIA LVNDPQPEHP LRADLAEEYS KDRKKFCKNA EEFTKKYGEK RPVD

General References

Ardley HC., et al. (2000) Biochim Biophys Acta. 1491(1-3):57-64.
Moynihan TP., et al. (1998) Genomics. 51(1):124-127.
Nuber u., et al (1996) J Biol Chem. 271(5):2795-2800

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.