

Ubc7(Ubiquitin Conjugating enzyme 7) Human Recombinant, expressed in E.coli

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3th Edition

Synonyms:UBE2G1, UBE2G, Ubc7 (Ubiquitin Conjugating enzyme 7), EC 6.3.2.19, Ubiquitin-protein ligase G1, Ubiquitin carrier protein G1, E217K, UBC7, Ubiquitin-conjugating enzyme E2 G1, Ubiquitin-conjugating enzyme E2L 3 UBC 7

Description: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. UbcH7(154amino acid) was over-expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 50 mM HEPES (pH7.5) 150 mM NaCl, 1mM DTT, 10% glycerol

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

Sequences:

MAASRRLMKELEEIRKCGMKNFRNIQVDEANLLTWQGLIVPDNPPYDKGAFRIEINFPAEYPFKPPKITFKTKIYHPNI
DEKGQVCLPVISAENWKPATKTDQVIQSLIALVNDPQPEHPLRADLAEYYSKDRKKFCKNAEEFTKKYGEKRPVD

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.