Recombinant Human Ubiquitin Conjugating Enzyme 7

Cat. No. UBE2G1-09H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Ubiquitin Conjugating enzyme 7 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.
Species	Human
Source	E.coli
Description	Human Ubquitin-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
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 (pH-7.5) 150mM NaCl, 1mM DTT, and 10% glycerol.

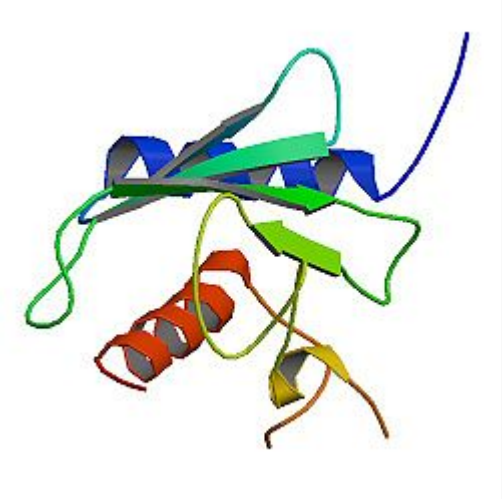
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Stability	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

GENE INFORMATION

Gene Name	UBE2G1 ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast) [Homo sapiens]
Synonyms	UBE2G1; E217K; UBC7; UBE2G; ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast); UBC7; E217K; UBE2G; UBE2G1; ubiquitin-conjugating enzyme E2G 1; ubiquitin-protein ligase G1; ubiquitin carrier protein G1; ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, C. elegans); ubiquitin-conjugating enzyme E2G 1 (homologous to C. elegans UBC7); EC 6.3.2.19; Ubiquitin carrier protein G1; Ubiquitin-protein ligase G1; ubiquitin-conjugating enzyme E2G; ubiquitin-conjugating enzyme E2G 1 (UBC7 homolog, yeast).
Gene ID	7326
mRNA Refseq	NM_003342
Protein Refseq	NP_003333
MIM	601569
UniProt ID	P62253
Chromosome Location	1q42; 17p13.2
Function	ligase activity; ubiquitin-protein ligase activity.

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PDB rendering based on 2awf.	

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