

SA6047X**Human UBE2G1 - Purified**

Alternate names:	E217K, UBC7, UBE2G, Ubiquitin carrier protein G1, Ubiquitin-conjugating enzyme E2 G1, Ubiquitin-protein ligase G1
Quantity:	0.5 mg
Concentration:	1.0 mg/ml
Background:	Human Ubiquitin-conjugating enzyme 7 (UbcH7) is a ubiquitin-conjugating enzyme (E2) mediating c-fos degradation, transcription factor NF- κ 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.
Uniprot ID:	P62253
NCBI:	NP_003333.1
GenelD:	7326
Species:	Human
Source:	E. coli
Format:	State: Liquid protein Purity: >95% by SDS-PAGE Buffer System: 50 mM HEPES (pH7.5) 150 mM NaCl, 1 mM DTT, 10% glycerol.
Description:	UbcH7 (154 amino acid) was over-expressed in E. coli and purified by using conventional chromatography techniques. AA Sequence: MAASRRLMKE LEEIRKCGMK NFRNIQVDEA NLLTWQGLIV PDNPPYDKGA FRIEINFPAE YPFKPPKITF KTKIYHPNID EKGQVCLPVI SAENWKPATK TDQVIQSLIA LVNDPQPEHP LRADLAE EYS KDRKKFCKNA EEFTKKYGEK RPVD Molecular weight: 17.9 kDa (154 amino acids)
Storage:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Ardley, H.C., et al (2000) Biochim. Biophys. Acta. 1491(1-3), 57-64. 2. Moynihan, T.P., et al (1998) Genomics. 51(1), 124-127. 3. Nuber, U., et al (1996) J. Biol. Chem. 271(5) 2795-2800.

Pictures:

Western blot analysis of anti-UBE2G1 Antibody (N-term) (Cat.#AP11982PU-N) in mouse heart tissue lysates (35ug/lane). UBE2G1 (arrow) was detected using the purified Pab.

