

AR50095PU-S**Human UBE2D3 (1-149, His-tag) - Purified****Alternate names:**

UBC5C, UBCH5C, Ubiquitin carrier protein D3, Ubiquitin-conjugating enzyme E2 D3, Ubiquitin-conjugating enzyme E2(17)KB 3, Ubiquitin-conjugating enzyme E2-17 kDa 3, Ubiquitin-protein ligase D3

Quantity:

50 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

UBE2D3, also known as ubiquitin-conjugating enzyme E2 D3. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This enzyme functions in the ubiquitination of the tumor-suppressor protein p53, which is induced by an E3 ubiquitin-protein ligase.

Uniprot ID:[P61077](#)**NCBI:**[NP_871622.1](#)**GeneID:**[7323](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >90% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT**Description:**

Recombinant human UBE2D3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MLSNRKCLSK ELSDLARDPP AQCSAGPVGD DMFHWQATIM
GPNDSPYQGG VFFLTIHFPT DYPFKPPKVA FTTRIYHPNI NSNGSICLDI LRSQWSPALT
ISKVLLSICS LLCDPNPDDP LVPEIARIYK TDRDKYNRIS REWTQKYAM

Molecular weight: 19.1 kDa (169aa), confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Gonen H., et al. (1999) J. Biol. Chem. 274:14823-14830
Murata S., et al. (2001) EMBO Rep. 2:1133-1138

Pictures:

