

**AR50427PU-N****Human UBE2M (1-183, His-tag) - Purified****Alternate names:**

NEDD8 carrier protein, NEDD8 protein ligase, NEDD8-conjugating enzyme Ubc12, UBC12, Ubiquitin-conjugating enzyme E2 M

**Quantity:**

0.5 mg

**Concentration:**

1 mg/ml (determined by Bradford assay)

**Background:**

UBE2M, also known as NEDD8-conjugating enzyme Ubc12, belongs to the ubiquitin-conjugating enzyme family. 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 gene encodes a member of the E2 ubiquitin-conjugating enzyme family. The encoded protein is linked with a ubiquitin-like protein, NEDD8, which can be conjugated to cellular proteins, such as Cdc53/culin.

**Uniprot ID:**

[P61081](#)

**NCBI:**

[NP\\_003960](#)

**GenelD:**

[9040](#)

**Species:**

Human

**Source:**

E. coli

**Format:**

**State:** Liquid purified protein

**Purity:** >95% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.2M NaCl, 1mM DTT

**Description:**

Recombinant human UBE2M protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

**AA Sequence:**

MGSSHHHHHH SGLVPRGSH MGSHEIKLFS LKQQKKEEES AGGTEGSSKK ASAAQLRIQK  
DINELNLPKT CDISFSDPDD LLNFKLVICP DEGFYKSGKF VFSFKVGQGY PHDPPKVKCE  
TMVYHPNIDL EGNVCLNLR EDWKPVLITN SIIYGLQYLF LEPNPEPLN KEAAEVLQNN  
RRLFEQNVQR SMRGGYIGST YFERCLK

**Molecular weight:** 23.5 kDa (207aa) 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:**

Gong L., et al. (1999) J. Biol. Chem. 274:12036-12042 Huang D.T., et al. (2004) Nat. Struct. Mol. Biol. 11:927-935

Pictures:

