

**AR50427PU-S****Human UBE2M (1-183, His-tag) - Purified**

<b>Alternate names:</b>	NEDD8 carrier protein, NEDD8 protein ligase, NEDD8-conjugating enzyme Ubc12, UBC12, Ubiquitin-conjugating enzyme E2 M
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)
<b>Background:</b>	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.
<b>Uniprot ID:</b>	<a href="#">P61081</a>
<b>NCBI:</b>	<a href="#">NP_003960</a>
<b>GenelD:</b>	<a href="#">9040</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >95% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.2M NaCl, 1mM DTT
<b>Description:</b>	Recombinant human UBE2M protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. <b>AA Sequence:</b> MGSSHHHHHH SGLVPRGSH MGSHEIKLFS LKQKKEEES AGGTEGSSKK ASAAQLRIQK DINELNLPKT CDISFSDPDD LLNFKLVICP DEGFYKSGKF VFSFKVGQGY PHDPPKVKCE TMVYHPNIDL EGNVCLNLR EDWKPVLITN SIIYGLQYLF LEPNPEPLN KEAAEVLQNN RRLFEQNVQR SMRGGYIGST YFERCLK <b>Molecular weight:</b> 23.5 kDa (207aa) confirmed by MALDI-TOF
<b>Storage:</b>	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.
<b>General Readings:</b>	Gong L., et al. (1999) J. Biol. Chem. 274:12036-12042Huang D.T., et al. (2004) Nat. Struct. Mol. Biol. 11:927-935

Pictures:

