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AR50427PU-S 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: 0.1 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: ubiquitinactivating 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

GeneID: 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 SSGLVPRGSH MGSHMIKLFS LKQQKKEEES AGGTKGSSKK ASAAQLRIQK DINELNLPKT CDISFSDPDD LLNFKLVICP DEGFYKSGKF VFSFKVGQGY PHDPPKVKCE TMVYHPNIDL EGNVCLNILR EDWKPVLTIN SIIYGLQYLF LEPNPEDPLN KEAAEVLQNN

RRLFEQNVQR SMRGGYIGST YFERCLK

Molecular weight: 23.5 kDa (207aa) confirmed by MALDI-TOF

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

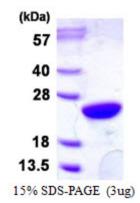
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Gong L., et al. (1999) J. Biol. Chem. 274:12036-12042Huang D.T., et al. (2004) Nat.

Struct. Mol. Biol. 11:927-935



Pictures:



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