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 订货热线: 400-1683301 或 800-8283301
 订货 e-mail: order@beyotime.com
 技术咨询: info@beyotime.com
 网址: http://www.beyotime.com

Recombinant Human UBE2M

产品编号	产品名称	包装
P7127-5μg	Recombinant Human UBE2M	5μg
P7127-100μg	Recombinant Human UBE2M	100μg
P7127-500μg	Recombinant Human UBE2M	500μg

产品简介:

Species	Gene ID	Accession	Source	Length	MW	Tag
Human	9040	P61081	<i>E. coli</i>	183aa	20.9kDa	—

About this protein	
Name	Recombinant Human UBE2M (Recombinant Human Ubiquitin-conjugating Enzyme E2 M; rHuUBE2M); 重组人泛素结合酶E2M
Synonyms	UBC12; UbcH12; UBC-RS2; EC 6.3.2; EC 6.3.2.-; hUbc12; NEDD8 carrier protein; NEDD8 protein ligase; UBC12NEDD8-conjugating enzyme Ubc12; UBC-RS2; ubiquitin carrier protein M; Ubiquitin-conjugating enzyme E2 M; ubiquitin-conjugating enzyme E2M (homologous to yeast UBC12); ubiquitin-conjugating enzyme E2M (UBC12 homolog, yeast); ubiquitin-protein ligase M; yeast UBC12 homolog
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	Data is not available.
Physical Appearance	Sterile Colorless liquid
Formulation	A 0.2μm filtered concentrated solution in 50mM HEPES, pH6.5, with 125mM NaCl, 10% Glycerol, 5% Trehalose, 1mM DTT.
Endotoxin	Less than 0.1EU/μg of rHuUBE2M as determined by LAL method.
Reconstitution	N/A
Category	Ubiquitins
Background	NEDD8-Conjugating Enzyme Ubc12 belongs to the ubiquitin-conjugating enzyme family and is encoded by the UBE2M gene in humans. The ubiquitin-conjugating enzymes, also known as E2 enzymes and more rarely as ubiquitin-carrier enzymes, take part in the second step in the ubiquitination reaction. In this reaction, E1 activates the ubiquitin by covalently attaching the molecule to its active site cysteine residue. The activated ubiquitin is then transferred to an E2 cysteine and then the E2 molecule binds E3 via a structurally conserved binding region. The UBC12 accepts the ubiquitin-like protein NEDD8 from the UBA3-NAE1 E1 complex and catalyzes its covalent attachment to other proteins. The specific interaction with the E3 ubiquitin ligase RBX1, but not RBX2, suggests that the RBX1-UBE2M complex neddylates specific target proteins, such as CUL1, CUL2, CUL3 and CUL4. Additionally, it involved in cell proliferation.
Amino Acid Sequence	MIKLFSLKQQ KKEEESAGGT KGSSKKASAA QLRIQKDINE LNLPKTCDIS FSDPDDLINF KLVICPDEGF YKSGKFVFSF KVGQGYPHDP PKVKCETMVY HPNIDLEGNV CLNILREDWK PVLTINSIIY GLQYLFLEPN PEDPLNKEAA EVLQNNRRLF EQNVQRSMRG GYIGSTYFER CLK

包装清单:

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—	说明书	1份

保存条件：

-20°C或更低温度保存，至少一年有效。由于蛋白的每次冻融均会引起部分失活，所以首次配制成相应浓度的储存液后(请根据产品简介中Reconstitution一栏的信息配制储存液)，须分装后-20°C或更低温度冻存，以避免反复冻融。

注意事项：

- 由于有些塑料管壁对某些蛋白有较强的吸附作用，溶液中的蛋白很容易粘附在管壁上，并且粘附后的蛋白很难与管壁分离。而载体蛋白(Carrier protein, 如0.1% BSA等)的主要作用是预先封闭塑料管壁上的蛋白结合位点，使细胞因子或重组蛋白不会粘附于管壁。所以一定要使用产品简介中Reconstitution一栏的信息配制储存液。
- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明：

1. 收到产品后请立即按照说明书推荐的条件保存。除非特别注明，碧云天相关产品均为冻干粉，由于微量的蛋白在冻干过程中沉积在管内，形成很薄或不可见的蛋白层，所以在打开管盖前，我们建议在离心机中约8,000-12,000g离心10-30秒，使附着在管盖或管壁上的蛋白聚集于管底。
2. 请根据实验目的并按照产品简介中Reconstitution一栏中的信息配制储存液。大多数细胞因子或重组蛋白的冻干粉是非常容易溶解的，一般用移液枪的枪头轻吹几下或者轻轻摇晃瓶子，即可使细胞因子或重组蛋白完全溶解。请勿用vortex剧烈振荡，以免蛋白变性而失活。
3. 具体的最佳工作浓度请自行参考相关文献，或者根据实验目的，以及特定细胞和动物，通过实验进行摸索和优化。

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