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Datasheet for ABIN1692405 **UBE2M Protein (AA 1-183)**

Overview

Quantity:	50 µg
Target:	UBE2M (ube2m)
Protein Characteristics:	AA 1-183
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human NEDD8-Conjugating Enzyme UBC12/UBE2M
Sequence:	MIKLFSLKQQ KKEEESAGGT KGSSKKASAA QLRIQKDINE LNLPKTCDIS FSDPDDLINF KLVICPDEGF YKSGKFVFSF KVGQGYPHDP PKVKCETMVY HPNIDLEGNV CLNILREDWK PVLINSIIY GLQYLFLEPN PEDPLNKEAA EVLQNNRRLF EQNVQRSMRG GYIGSTYFER CLK
Characteristics:	Recombinant Human NEDD8-conjugating enzyme Ubc12/UBE2M is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Lys183) of Human UBE2M.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	UBE2M (ube2m)
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Target Details

Alternative Name:	NEDD8-Conjugating Enzyme Ubc12/UBE2M (ube2m Products)
Background:	<p>UBE2M is a member of the E2 ubiquitin-conjugating enzyme family. 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 protein is linked with a ubiquitin-like protein, NEDD8, which can be conjugated to cellular proteins, such as Cdc53/culin. UBE2M 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. It involved in cell proliferation and is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation.</p> <p>Alternative Names: NEDD8-conjugating enzyme Ubc12, NEDD8 carrier protein, NEDD8 protein ligase, Ubiquitin-conjugating enzyme E2 M, UBC12, UBE2M,</p>
Molecular Weight:	20.9 kDa
UniProt:	P61081

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH2O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 50 mM HEPES, pH 7.5, 2 mM DTT, 150 mM NaCl, 10 % glycerol .
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt.

Handling

Please minimize freeze-thaw cycles.

Expiry Date: 6 months