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## Datasheet for ABIN7198593 UBE2M Protein

### Overview

Quantity:	100 µg
Target:	UBE2M (ube2m)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

### Product Details

Purpose:	Recombinant Human UBE2M/UBC12 Protein
Sequence:	Met 1-Lys 183
Characteristics:	A DNA sequence encoding the human UBE2M (P61081) (Met 1-Lys 183) was expressed and purified, with additional two amino acids (Gly & Pro) at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

### Target Details

Target:	UBE2M (ube2m)
Alternative Name:	UBE2M/UBC12 ( <a href="#">ube2m Products</a> )
Background:	Background: UBE2M is a member of the ubiquitin-conjugating E2 family whose members perform the second step in the ubiquitination reaction. Initially identified as the main process for protein degradation; ubiquitination is believed nowadays to be crucial for a wider range of cellular processes. The outcome of the ubiquitin-conjugation reaction; and thereby the fate of the substrate; is heavily dependent on the number of ubiquitin molecules attached and how

## Target Details

these ubiquitin molecules are inter-connected. To deal with this complexity and to allow adequate ubiquitination in time and space; a highly sophisticated conjugation machinery has been developed. In a sequential manner; ubiquitin becomes activated by an ubiquitin-activating enzyme (E1); which then transfers the ubiquitin to a group of ubiquitin-conjugating enzymes (E2s). Next; ubiquitin-loaded E2s are interacting with ubiquitin protein ligases (E3s) and ubiquitin is conjugated to substrates on recruitment by the E3. These three key enzymes are operating in a hierarchical system; wherein two E1s and 35 E2s have been found and hundreds of E3s have been identified in humans.

Synonym: NEDD8-conjugating enzyme Ubc12; NEDD8 carrier protein; NEDD8 protein ligase; Ubiquitin-conjugating enzyme E2 M; UBC12; UBE2M;

Molecular Weight:	21 kDa
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UniProt:	<a href="#">P61081</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, 10 % glycerol, 1 mM DTT, pH 8.0
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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