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Datasheet for ABIN7198588

**UBE2I Protein**

## Overview

Quantity:	100 µg
Target:	UBE2I
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

## Product Details

Purpose:	Recombinant Human UBE2I/UBC9 Protein
Sequence:	Met 1-Ser 158
Characteristics:	A DNA sequence encoding the human UBE2I (P63279) (Met 1-Ser 158) 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:	UBE2I
Alternative Name:	UBE2I/UBC9 ( <a href="#">UBE2I Products</a> )
Background:	Background: UBE2I 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: SUMO-Conjugating Enzyme UBC9; SUMO-Protein Ligase; Ubiquitin Carrier Protein 9; Ubiquitin Carrier Protein I; Ubiquitin-Conjugating Enzyme E2 I; Ubiquitin-Protein Ligase I; p18; UBE2I; UBC9; UBCE9

UniProt: [P63279](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Ubiquitin Proteasome Pathway](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, 10 % glycerol, 2 mM DTT, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

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.