

Rev03  
 Update: Dec,14,2021

**DATASHEET**

# UBE2C/UBCH10, His, Human

Cat. No.: Z02968

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	Expressed with additional N-terminal sequence (MHHHHHHAMGIR).
	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #4a7c9c; color: white; padding: 5px; margin-right: 10px;">Poly-His</div> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 10px;">UBE2C/UBCH10 (Met1-Pro179)</div> <div style="background-color: #0056b3; color: white; padding: 5px;">Accession # 000762</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as analyzed by SDS-PAGE > 95% as analyzed by HPLC
<b>Endotoxin Level</b>	< 1 EU/μg of protein by gel clotting method
<b>Expression System</b>	E. coli
<b>Theoretical Molecular Weight</b>	21.1 kDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution in PBS, pH 7.4.
<b>Reconstitution</b>	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/ml.
<b>Storage &amp; Stability</b>	Upon receiving, this product remains stable for up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.

## Background

**Target Background :** Human Ubiquitin Conjugating Enzyme E2 C (UBE2C)/UBCH10 is an essential mediator of mitotic destruction events and cell cycle progression. It catalyzes the destruction of cyclins A and B in conjunction with the anaphase-promoting complex, and therefore, plays an important role in the control of the cell exit from mitosis. This activity is essential at the end of mitosis for the inactivation of their partner kinase Cdc2 and exit from mitosis into G1 of the next cell cycle. In addition, UBCH10 bears homology to yeast PAS2, a gene that is essential for biogenesis of peroxisomes. UBCH10 is useful for in vitro ubiquitylation reactions.

**Synonyms :** dJ447F3.2; ubiquitin conjugating enzyme E2 C

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.