

UBE2C Protein, Human (Sf9, His, Strep)

Cat. No.:	HY-P701350
Synonyms:	UBE2C; Ubiquitin-conjugating enzyme E2 C; (E3-independent) E2 ubiquitin-conjugating enzyme C; E2 ubiquitin-conjugating enzyme C; UbcH10; Ubiquitin carrier protein C; Ubiquitin-protein ligase C
Species:	Human
Source:	Sf9 insect cells
Accession:	O00762 (A2-P179)
Gene ID:	11065
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	<p>UBE2C, a pivotal component of the ubiquitin-proteasome system, functions as an E2 ubiquitin-conjugating enzyme, playing a central role in the covalent attachment of ubiquitin to target proteins. In vitro, UBE2C demonstrates catalytic proficiency in facilitating 'Lys-11'- and 'Lys-48'-linked polyubiquitination, showcasing its versatility in ubiquitin chain formation. Crucially, UBE2C acts as an indispensable factor in the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase pivotal for governing mitotic progression. Its role in initiating 'Lys-11'-linked polyubiquitin chains on APC/C substrates underscores its significance in orchestrating the degradation of specific proteins by the proteasome, thereby promoting a timely and controlled exit from mitosis.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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