UBE2R2 Protein, Human (His)

Cat. No.:	HY-P71407
Synonyms:	Ubiquitin-Conjugating Enzyme E2 R2; Ubiquitin Carrier Protein R2; Ubiquitin-Conjugating Enzyme E2-CDC34B; Ubiquitin-Protein Ligase R2; UBE2R2; CDC34B; UBC3B
Species:	Human
Source:	E. coli
Accession:	Q712K3 (M1-S238)
Gene ID:	54926
Molecular Weight:	Approximately 37.0 kDa

PROPERTIES

AA Sequence	M A Q Q Q M T S S Q K A L M L E L K S L Q E E P V E G F R I T L V D E S D L Y N W E V A I F G P P N T L Y E G G Y F K A H I K F P I D Y P Y S P P T F R F L T K M W H P N I Y E N G D V C I S I L H P P V D D P Q S G E L P S E R W N P T Q N V R T I L L S V I S L L N E P N T F S P A N V D A S V M F R K W R D S K G K D K E Y A E I I R K Q V S A T K A E A E K D G V K V P T T L A E Y C I K T K V P S N D N S S D L L Y D D L Y D D D I D D E D E E E E D A D C Y D D D D S G N E E S
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 50 mM HEPES, 150 mM NaCl, pH 7.5.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
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	UBE2R2, an integral component of the ubiquitin-proteasome system, functions as an E2 ubiquitin-conjugating enzyme by accepting ubiquitin from the E1 complex and catalyzing its covalent attachment to diverse protein substrates. In in vitro assays, UBE2R2 demonstrates versatile catalytic activity, facilitating both monoubiquitination and 'Lys-48'-linked polyubiquitination reactions. This suggests its potential involvement in various cellular processes, including the targeted degradation of proteins, which may encompass the regulation of katenin or other relevant substrates.

Caution: Product has not been fully validated for medical applications. For research use only.

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