

UBE2V2 Protein, Human (His)

Cat. No.:	HY-P71411
Synonyms:	Ubiquitin-Conjugating Enzyme E2 Variant 2; DDVit 1; Enterocyte Differentiation-Associated Factor 1; EDAF-1; Enterocyte Differentiation-Promoting Factor 1; EDPF-1; MMS2 Homolog; Vitamin D3-Inducible Protein; UBE2V2; MMS2; UEV2
Species:	Human
Source:	E. coli
Accession:	Q15819 (M1-N145)
Gene ID:	7336
Molecular Weight:	Approximately 18.0 kDa

PROPERTIES

AA Sequence	<p> M A V S T G V K V P R N F R L L E E L E E G Q K G V G D G T V S W G L E D D E D M T L T R W T G M I I G P P R T N Y E N R I Y S L K V E C G P K Y P E A P P S V R F V T K I N M N G I N N S S G M V D A R S I P V L A K W Q N S Y S I K V V L Q E L R R L M M S K E N M K L P Q P P E G Q T Y N N </p>
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 7.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	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	<p>The UBE2V2 protein lacks ubiquitin ligase activity when acting alone, but forms a functional heterodimer with UBE2N to catalyze the synthesis of non-canonical poly-ubiquitin chains linked through 'Lys-63'. Notably, this type of poly-ubiquitination does not result in protein degradation by the proteasome. UBE2V2 plays a pivotal role in mediating the transcriptional activation of target genes, exerting influence over cell cycle progression, and contributing to cellular differentiation. Furthermore, it is involved in the error-free DNA repair pathway, enhancing cell survival following DNA damage. UBE2V2 primarily functions as a heterodimer with UBE2N and demonstrates binding affinity for CHFR, suggesting its involvement in various cellular processes and molecular interactions.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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