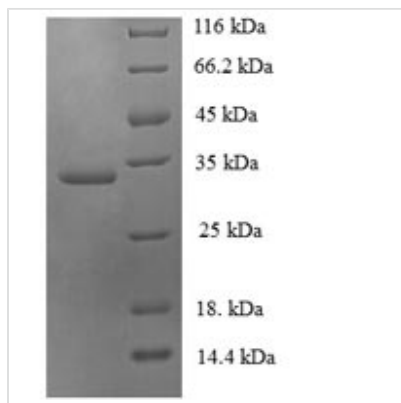




Recombinant Human Ubiquitin-conjugating enzyme E2 variant 2 (UBE2V2)

Product Code	CSB-EP025484HU
Relevance	Has no ubiquitin ligase activity on its own. The UBE2V2/UBE2N heterodimer catalyzes the synthesis of non-canonical poly-ubiquitin chains that are linked through 'Lys-63'. This type of poly-ubiquitination does not lead to protein degradation by the proteasome. Mediates transcriptional activation of target genes. Plays a role in the control of progress through the cell cycle and differentiation. Plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage.
Abbreviation	Recombinant Human UBE2V2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q15819
Alias	DDVit 1Enterocyte differentiation-associated factor 1 ;EDAF-1Enterocyte differentiation-promoting factor 1 ;EDPF-1MMS2 homologVitamin D3-inducible protein
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AVSTGVKVPNRNFRLLLEELEEGQKGVDGTVSWGLEDDEDMTLTRWTGMIIGP PRTNYENRIYSLKVECGPKYPEAPPSVRFVTKINMNGINNSSGMVDARSIPVLA KWQNSYSIKVVLQELRRLMMSKENMKLPQPPEGQTYNN
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	UBE2V2
Expression Region	2-145aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	32.2kDa
Protein Length	Full Length of Mature Protein
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

The recombinant Human UBE2V2 was expressed with the amino acid range of 2-145. This UBE2V2 protein is theoretically predicted to have a molecular weight of 32.2 kDa. This UBE2V2 protein is produced using e.coli expression system. The N-terminal 6xHis-SUMO tag was smoothly integrated into the coding gene of UBE2V2, which enables a simple process of detecting and purifying the UBE2V2 recombinant protein in the following steps.

The human ubiquitin-conjugating enzyme E2 variant 2 (UBE2V2), a member of the ubiquitin-conjugating enzyme (E2) family, is involved in the ubiquitin-proteasome system, a cellular mechanism responsible for the targeted degradation of proteins. UBE2V2 plays a crucial role in the formation of polyubiquitin chains, which serve as signals for protein degradation. Specifically, UBE2V2 functions as a ubiquitin-conjugating enzyme variant, working in conjunction with UBE2V1 to catalyze the synthesis of polyubiquitin chains. These chains are then attached to target proteins, marking them for degradation by the proteasome. The ubiquitin-proteasome system is vital for maintaining cellular homeostasis and regulating various processes such as cell cycle progression, signal transduction, and response to cellular stress. Research areas involving UBE2V2 often focus on understanding the molecular mechanisms of protein degradation and its implications in cellular functions and diseases.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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