Datasheet for ABIN1692317

UBE2V2 Protein (AA 1-145) (His tag)

Go to Product page

Overview

Quantity:	50 µg
Target:	UBE2V2
Protein Characteristics:	AA 1-145
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This UBE2V2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 Variant 2/UBE2V2/DDVIT1 (N-6His)
Sequence:	MGSSHHHHHH SSGLVPRGSH MAVSTGVKVP RNFRLLEELE EGQKGVGDGT VSWGLEDDED MTLTRWTGMI IGPPRTNYEN RIYSLKVECG PKYPEAPPSV RFVTKINMNG INNSSGMVDA RSIPVLAKWQ NSYSIKVVLQ ELRRLMMSKE NMKLPQPPEG QTYNN
Characteristics:	Recombinant Human Ubiquitin-Conjugating Enzyme E2 Variant 2/UBE2V2 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Asn145) of Human UBE2V2 fused with a His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	UBE2V2
Alternative Name:	UBE2V2 (UBE2V2 Products)
Sub Type:	Fusionprotein
Background:	Ubiquitin-Conjugating Enzyme E2 Variant 2 (UBE2V2) is an enzyme that belongs to the ubiquitin-conjugating enzyme family. UBE2V2 can be detected in the placenta, colon, liver, and skin. It forms a heterodimer with UBE2N. The UBE2V2/UBE2N heterodimer catalyzes the synthesis of non-canonical poly-ubiquitin chains and which leads to protein degradation by the proteasome. UBE2V2 mediates transcriptional activation of target genes. It plays a role in the control of progress through the cell cycle and differentiation. It also plays a role in the error-free DNA repair pathway and contributes to the survival of cells after DNA damage. Alternative Names: 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
Molecular Weight:	18.5 kDa
UniProt:	Q15819
Pathways:	Positive Regulation of Response to DNA Damage Stimulus

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH2O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Buffer:	Supplied as a 0.2 µm filtered solution of 50mm HEPES,150 mM NaCl, pH 7.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Expiry Date:	6 months