Recombinant Human UBE2V1 Protein (A2-N147), Tag Free

Cat. No. UBE2V1-0519H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human (GG)-UB2V1(A2-N147 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	A2-N147
Description	Has no ubiquitin ligase activity on its own. The UBE2V1-UBE2N heterodimer catalyzes the synthesis of non-canonical poly-ubiquitin chains that are linked through Lys-63. This type of poly-ubiquitination activates IKK and does not seem to involve protein degradation by the proteasome. Plays a role in the activation of NF-kappa-B mediated by IL1B, TNF, TRAF6 and TRAF2. 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. Promotes TRIM5 capsid-specific restriction activity and the UBE2V1-UBE2N heterodimer acts in concert with TRIM5 to generate 'Lys-63'-linked polyubiquitin chains which activate the MAP3K7/TAK1 complex which in turn results in the induction and expression of NF-kappa-B and MAPK-responsive inflammatory genes. Together with RNF135 and UBE2N, catalyzes the viral RNA-dependent 'Lys-63'-linked polyubiquitination of RIG-I/DDX58 to activate the downstream signaling pathway that leads to interferon beta production. UBE2V1-UBE2N together with TRAF3IP2 E3 ubiquitin ligase mediate 'Lys-63'-linked

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	polyubiquitination of TRAF6, a component of IL17A-mediated signaling pathway.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol, 1mM DTT.
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	UBE2V1 ubiquitin-conjugating enzyme E2 variant 1 [Homo sapiens (human)]
Official Symbol	UBE2V1
Synonyms	UBE2V1; ubiquitin-conjugating enzyme E2 variant 1; UBE2V; CROC 1; CROC1; UEV 1; UEV1A; DNA-binding protein; TRAF6-regulated IKK activator 1 beta Uev1A; CIR1; UEV1; UEV-1; CROC-1;
Gene ID	7335
mRNA Refseq	NM_001032288

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Protein Refseq	NP_001027459
MIM	602995
UniProt ID	Q13404

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