Recombinant Human UBE2B Protein (S2-S152), Tag Free

Cat. No. UBE2B-0019H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human (GG)-UBE2B(S2-S152 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	S2-S152
Description	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In association with the E3 enzyme BRE1 (RNF20 and/or RNF40), it plays a role in transcription regulation by catalyzing the monoubiquitination of histone H2B at 'Lys-120' to form H2BK120ub1. H2BK120ub1 gives a specific tag for epigenetic transcriptional activation, elongation by RNA polymerase II, telomeric silencing, and is also a prerequisite for H3K4me and H3K79me formation. In vitro catalyzes 'Lys-11'-, as well as 'Lys-48'- and 'Lys-63'-linked polyubiquitination. Required for postreplication repair of UV-damaged DNA. Associates to the E3 ligase RAD18 to form the UBE2B-RAD18 ubiquitin ligase complex involved in mono-ubiquitination of DNA-associated PCNA on 'Lys-164'. May be involved in neurite outgrowth.
Form	Liquid
Endotoxin	< 0.01 EU per μg of the protein
Purity	85%

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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	UBE2B ubiquitin-conjugating enzyme E2B [Homo sapiens (human)]
Official Symbol	UBE2B
Synonyms	UBE2B; ubiquitin-conjugating enzyme E2B; ubiquitin conjugating enzyme E2B (RAD6 homolog); ubiquitin-conjugating enzyme E2 B; HHR6B; RAD6B; UBC2; E2 protein; RAD6 homolog B; ubiquitin-protein ligase B; ubiquitin carrier protein B; ubiquitin-conjugating enzyme E2-17 kDa; ubiquitin-conjugating enzyme E2B (RAD6 homolog); HR6B; E2-17kDa;
Gene ID	7320
mRNA Refseq	NM_003337
Protein Refseq	NP_003328
MIM	179095
UniProt ID	P63146

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