

## Recombinant Human UBE2O Protein (A2-K1292), Tag Free

Cat. No. UBE2O-0409H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human (GG)-UBE2O(A2-K1292 end) Protein was expressed in Insect cell.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	A2-K1292
<b>Description</b>	E2/E3 hybrid ubiquitin-protein ligase that displays both E2 and E3 ligase activities and mediates monoubiquitination of target proteins. Negatively regulates TRAF6-mediated NF-kappa-B activation independently of its E2 activity. Acts as a positive regulator of BMP7 signaling by mediating monoubiquitination of SMAD6, thereby regulating adipogenesis. Mediates monoubiquitination at different sites of the nuclear localization signal (NLS) of BAP1, leading to cytoplasmic retention of BAP1. Also able to monoubiquitinate the NLS of other chromatin-associated proteins, such as INO80 and CXXC1, affecting their subcellular location. Acts as a regulator of retrograde transport by assisting the TRIM27:MAGEL2 E3 ubiquitin ligase complex to mediate 'Lys-63'-linked ubiquitination of WASHC1, leading to promote endosomal F-actin assembly.
<b>Form</b>	Liquid
<b>Endotoxin</b>	< 0.01 EU per µg of the protein

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<b>Purity</b>	90%
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
<b>Storage</b>	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.
<b>Storage Buffer</b>	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
<b>Shipping</b>	It is shipped out with blue ice.

## GENE INFORMATION

<b>Gene Name</b>	UBE2O ubiquitin-conjugating enzyme E2O [ Homo sapiens (human) ]
<b>Official Symbol</b>	UBE2O
<b>Synonyms</b>	UBE2O; ubiquitin-conjugating enzyme E2O; ubiquitin-conjugating enzyme E2 O; E2 230K; ubiquitin-protein ligase O; ubiquitin carrier protein O; ubiquitin-conjugating enzyme E2-230K; ubiquitin-conjugating enzyme E2 of 230 kDa; E2-230K; FLJ12878; KIAA1734;
<b>Gene ID</b>	63893
<b>mRNA Refseq</b>	NM_022066
<b>Protein Refseq</b>	NP_071349
<b>UniProt ID</b>	Q9C0C9

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