

Recombinant Human UBE2K Protein (A2-N200), Tag Free

Cat. No. UBE2K-0044H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human (GG)-UBE2K(A2-N200 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	A2-N200
Description	Accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro, in the presence or in the absence of BRCA1-BARD1 E3 ubiquitin-protein ligase complex, catalyzes the synthesis of 'Lys-48'-linked polyubiquitin chains. Does not transfer ubiquitin directly to but elongates monoubiquitinated substrate protein. Mediates the selective degradation of short-lived and abnormal proteins, such as the endoplasmic reticulum-associated degradation (ERAD) of misfolded luminal proteins. Ubiquitinates huntingtin. May mediate foam cell formation by the suppression of apoptosis of lipid-bearing macrophages through ubiquitination and subsequent degradation of p53/TP53. Proposed to be involved in ubiquitination and proteolytic processing of NF-kappa-B; in vitro supports ubiquitination of NFkB1. In case of infection by cytomegaloviruses may be involved in the US11-dependent degradation of MHC class I heavy chains following their export from the ER to the cytosol. In case of viral infections may be involved in the HPV E7 protein-dependent degradation of RB1.

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Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	95%
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 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 1 mM DTT, 5% glycerol.
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	UBE2K ubiquitin-conjugating enzyme E2K [Homo sapiens (human)]
Official Symbol	UBE2K
Synonyms	UBE2K; ubiquitin-conjugating enzyme E2K; HIP2, huntingtin interacting protein 2, ubiquitin conjugating enzyme E2K (UBC1 homolog, yeast); ubiquitin-conjugating enzyme E2 K; HYPG; UBC1; HIP-2; E2(25K); ubiquitin-protein ligase; ubiquitin carrier protein; huntingtin interacting protein 2; huntingtin-interacting protein 2; ubiquitin-conjugating enzyme E2-25K; ubiquitin-conjugating enzyme E2(25K); ubiquitin-conjugating enzyme E2-25 KDA; ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast); LIG; HIP2; E2-25K; DKFZp564C1216; DKFZp686J24237;
Gene ID	3093

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mRNA Refseq [NM_001111112](#)

Protein Refseq [NP_001104582](#)

MIM [602846](#)

UniProt ID [P61086](#)

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