

Recombinant Human Ubiquitin-Conjugating Enzyme E2, J2, His-tagged

Cat. No. UBE2J2-2485H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human UBE2J2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-226aa
Description	UBE2J2 belongs to the ubiquitin-conjugating enzyme family. The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s.
Form	Liquid. In 20 mM Tris-HCl buffer, pH8.0, 30% glycerol, 1mM DTT, 200mM NaCl.
Molecular Mass	28.0kDa (250aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSSTSS KRAPTTATQR LKQDYLRICK DPVPYICAEP LPSNILEWHY VVRGPEMTPY EGGYYHGKLI FPREFPFKPP SIYMITPNGR FKCNTLRLCLS ITDFHPDTWN PAWSVSTILT GLLSFMVEKG PTLGSJETSD FTKRQLAVQS LAFNLKDKVF CELFPEVVVE IKQKQKAQDE LSSRPQTLPL PDVVPDGETH LVQNGIQLLN GHAPGAVPNL AGLQQANRHH

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	UBE2J2 ubiquitin-conjugating enzyme E2, J2 [Homo sapiens]
Official Symbol	UBE2J2
Synonyms	UBE2J2; ubiquitin-conjugating enzyme E2, J2; ubiquitin conjugating enzyme E2, J2 (UBC6 homolog, yeast); ubiquitin-conjugating enzyme E2 J2; NCUBE2; Ubc6p; yeast UBC6 homolog; ubiquitin conjugating enzyme 6; ubiquitin conjugating enzyme E2, J2; non-canonical ubiquitin-conjugating enzyme 2; ubiquitin-conjugating enzyme E2, J2 (UBC6 homolog, yeast); NCUBE-2; PRO2121;
Gene ID	118424
mRNA Refseq	NM_058167
Protein Refseq	NP_477515
UniProt ID	Q8N2K1
Chromosome Location	1p36.33

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Pathway

Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem; Parkinsons disease, organism-specific biosystem;

Function

ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; ubiquitin-protein ligase activity;

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