

Recombinant Human UBE2D2

Cat. No. UBE2D2-38H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBE2D2 produced in <i>E. coli</i> /BL21 (λ DE3). MW = 18.26kDa.
Species	Human
Source	<i>E. coli</i>
Description	<p>Ubch5B, a homolog of the critically important yeast UBC4/5 family of proteins, is a ubiquitin-conjugating enzyme (E2) involved in the ubiquitin modification and subsequent proteasomal degradation of many cellular proteins in eukaryotes. Ubch5B is known to be essential for degradation of many regulatory and abnormal proteins. Together with Ubch5A and Ubch5C, Ubch5B forms one of the most active classes of E2 enzymes. They are associated with the degradation of a number of important human transcription factors, such as p53 and NF-κB, as well as a variety of non-proteolytic ubiquitin mediated processes such as signal transduction and endocytosis.</p>
Purity	\geq 95% (SDS-PAGE). Purified by ion exchange chromatography.
Concentration	1mg/ml.
Formulation	Liquid. In 50mM HEPES, pH 6.5, containing 50mM NaCl and 1mM DTT.
Stability	Stable for at least 12 months after receipt when stored at -80°C.

GENE INFORMATION

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Gene Name	UBE2D2 ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast) [Homo sapiens]
Synonyms	UBE2D2; ubiquitin-conjugating enzyme E2D 2 (UBC4/5 homolog, yeast); UBC4; PUBC1; UBC4/5; UBCH5B; E2(17)KB2; ubiquitin-conjugating enzyme E2 D2; ubiquitin-protein ligase D2; ubiquitin carrier protein D2; ubiquitin-conjugating enzyme E2(17)KB 2; ubiquitin-conjugating enzyme E2-17 kDa 2; ubiquitin-conjugating enzyme E2D 2 (homologous to yeast UBC4/5); EC 6.3.2.19
Gene ID	7322
mRNA Refseq	NM_003339
Protein Refseq	NP_003330
MIM	602962
UniProt ID	P62837
Chromosome Location	5q31.2
Pathway	Ubiquitin mediated proteolysis
Function	ATP binding; ligase activity; nucleotide binding; protein binding; ubiquitin-protein ligase activity

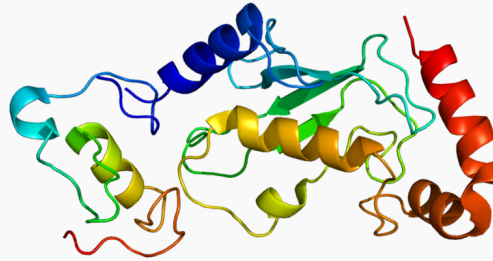
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