Recombinant Human UBE2D3

Cat. No. UBE2D3-1882H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UBE2D3 was expressed in*E.Coli.*
Species	Human
Source	E.coli
Description	UBE2D3 enzymes are human homologs of the yeast UBC4/5 family and play many important regulatory roles in inflammation and cancer. UbcH5a mediates the degradation of a myriad of short-lived regulatory proteins (such as p53 in the presence of E6/E6-AP or MDM2, c-Fos, IÎºBÎ±, p105) and abnormal proteins. UBE2D3 has 88% and 89% sequence identity with UbcH5a and UbcH5b respectively.
Amino Acid Sequence	MHHHHHHAM ALKRINKELSDLA RDPPAQCSAGPV GDDMF HWQATIMGP NDSPYQGGVFFLTIHFPTD YPFKPPKVAFTTRIY HPNINSNGSI CLDILRS QWSPALTISK VLLSICSLLCDPNPDDPL.
Physical Appearance	Sterile Filtered white lyophilized powder.
Purity	Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Formulation	Lyophilized from a 0.2Î¼m filtered concentrated (1 mg/ml) solution in 1X PBS and 1mM DTT, pH 7.5.
Stability	Lyophilized UBE2D3 although stable at room temperature for 3 weeks, should be

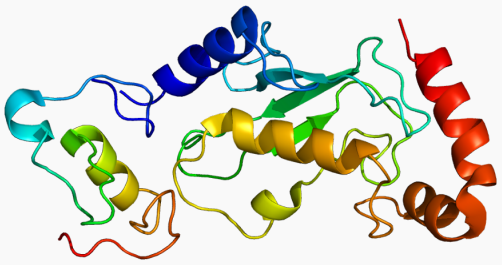
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	stored desiccated below -18°C. Upon reconstitution UBE2D3 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

Gene Name	UBE2D3 ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast) [Homo sapiens]
Synonyms	ubiquitin-conjugating enzyme E2D 3 (UBC4/5 homolog, yeast); UBC4/5; UBCH5C; MGC5416; MGC43926; E2(17)KB3; UBE2D3; ubiquitin-conjugating enzyme E2 D3; E2(17)KB 3; ubiquitin-protein ligase D3; ubiquitin carrier protein D3; ubiquitin-conjugating enzyme E2-17 kDa 3;ubiquitin-conjugating enzyme E2D 3 (homologous to yeast UBC4/5); Ubiquitin-conjugating enzyme E2-17 kDa 3; UbcH5C; EC 6.3.2.19; Ubiquitin-protein ligase D3; Ubiquitin carrier protein D3
Gene ID	7323
mRNA Refseq	NM_003340.5
Protein Refseq	NP_003331.1
MIM	602963
UniProt ID	P61077
Chromosome Location	4q24
Pathway	Ubiquitin mediated proteolysis; Signaling by BMP; Signaling by TGF beta

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Function	ATP binding; ligase activity; nucleotide binding; protein binding; ubiquitin-protein ligase activity
PDB rendering based on 1ur6.	

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