



Product Datasheet

Product Name	Ubiquitin Conjugating Enzyme E2D3 Human Recombinant
Cata No	CB500519
Source	<i>Escherichia Coli.</i>
Synonyms	Ubiquitin-conjugating enzyme E2 D3, EC 6.3.2.19, Ubiquitin-protein ligase D3, Ubiquitin carrier protein D3, Ubiquitin-conjugating enzyme E2-17 kDa 3, E2(17)KB 3, UBC4/5, UBCH5C, MGC5416, MGC43926, UBE2D3.

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, IκBα, p105) and abnormal proteins. UBE2D3 has 88% and 89% sequence identity with Ubch5a and Ubch5b respectively.

Ubiquitin Conjugating Enzyme E2D3 Human Recombinant produced in E.coli is an 18 kDa protein containing 155 amino acids.

The UBE2D3 protein contains 6xHis tag and is purified by proprietary chromatographic techniques.

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 0.2µm 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 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.

Sequence

MHHHHHAMALKRINKELSDLARDPPAQCSAGP
VGDDMFHWQATIMG
PNDSPYQGGVFFLTIHFPTDYPFKPPKVAFTTRIIY
HPNINSNGSICLDILR
SQWSPALTISKVLLSICLLCDPNPDDPLVPEIARI
YKTDRDKYNRISRE
WTQKYAM.