
Product Data Sheet

Product Name: UBE2D3 Human
 Cat. No.: GP22349
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
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.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MLSNRKCLSK ELSDLARDPP AQCSAGPVGD DMFHWQATIM GPNDSPYQGG VFFLTIHFPT DYPFKPPKVA FTTRIYHPNI NSNGSICLDI LRSQWSPALT ISKVLLSICS LLCDPNPDDP LVPEIARIYK TDRDKYNRIS REWTQKYAM.		
Formulation	The UBE2D3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT.		

Introduction

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

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

UBE2D3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 169 amino acids (1-149a.a.) and having a molecular mass of 19.1kDa. UBE2D3 is fused to a 20 amino acid His-tag at N-terminus & purified by

Caution: Product has not been fully validated for medical applications. For research use only.

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proprietary chromatographic techniques.

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