

UBE2D3 Human

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

Catalog #:ENPS-350

For research use only.

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.

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MLSNRKCLSK ELSDLARDPP
AQCSAGPVGD DMFHWQATIM GPNDSPYQGG VFFLTIHFPT DYPFKPPKVA FTTRIYHPNI
NSNGSICLDI LRSQWSPALT ISKVLLSICS LLCDPNPDDP LVPEIARIYK TDRDKYNRIS
REWTQKYAM.

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

The UBE2D3 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 40% glycerol, 0.15M NaCl and 1mM DTT.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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

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