

UBE2C Human

Description:UBE2C Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 202 amino acids (1-179) and having a molecular mass of 22.1 kDa. The UBE2C is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:ENPS-353

For research use only.

Synonyms:Ubiquitin-conjugating enzyme E2 C, EC 6.3.2.19, Ubiquitin-protein ligase C, Ubiquitin carrier protein C, Ubc10, UBCH10, dJ447F3.2.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered clear solution.

Amino Acid Sequence:MGSSHHHHH SSGLVPRGSH MGSMASQNRD PAATSVAAR
KGAEPSSGAA RGPVGKRLQQ ELMTLMMSGD KGISAFPESD NLFKWVGTH GAAGTVYEDL
RYKLSLEFPS GYPYNAPTVK FLTPCYHPNV DTQGNICLDI LKEKWSALYD VRTILLSIQS
LLGEPNIDSP LNTHAAELWK NPTAFKKYLQ ETYSKQVTSQ EP

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

Formulation:

UBE2C protein 1mg/ml is supplied in 20mM Tris-HCL, pH-8, 0.15M NaCl, 1mM DTT and 10% Glycerol.

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:

Ubch10 is an essential mediator of mitotic destruction events and cell cycle progression. It catalyzes the destruction of cyclins A and B in conjunction with the anaphase-promoting complex, and therefore, plays an important role in the control of the cell exit from mitosis. This activity is essential at the end of mitosis for the inactivation of their partner kinase Cdc2 and exit from mitosis into G1 of the next cell cycle. In addition, Ubch10 bears homology to yeast PAS2, a gene that is essential for biogenesis of peroxisomes. Ubch10 is useful for in vitro ubiquitinylation reactions.

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