

32-6939: UBE2E3 Human

Alternative Name : UBCH9, UbcM2, UBE2E3, Ubiquitin-Conjugating Enzyme E2E 3, UBCH9, Ubiquitin-Conjugating Enzyme E2E 3 (Homologous To Yeast UBC4/5), Ubiquitin-Conjugating Enzyme E2E 3 (UBC4/5 Homolog, Yeast), Ubiquitin-Conjugating Enzyme E2-23 KDa, Ubiquitin Carrier Protein E3, Ubiquitin-Protein Ligase E3, EC 6.3.2.19, Ubiquitin-Conjugating Enzyme E2 E3, UBCE4.

Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

UBE2E3 or Ubiquitin-conjugating enzyme E2 E3 is part of the E2 ubiquitinconjugating enzyme family. UBE2E3 is needed for the destruction of mitotic cyclins and for cell cycle progression. The ubiquitination process covalently attaches to a short protein of 76 amino acids called ubiquitin, to a lysine residue on the target protein. When a protein has been tagged with one ubiquitin molecule, other rounds of ubiquitination form a polyubiquitin chain that is recognized by the proteasome's 19S regulatory particle, triggering the ATP-dependent unfolding of the target protein which grants passage into the proteasome's 20S core particle, where proteases degrade the target into short peptide fragments for recycling by the cell.

UBE2E3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 230 amino acids (1-207 a.a) and having a molecular mass of 25.3kDa. UBE2E3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 80.0% as determined by SDS-PAGE.

Content : UBE2E3 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMSSDRQR SDDSPSTSS GSSDADQRDP AAPEPEEQEE
RKPSATQQKK NTKLSSKTTA KLSTSAKRIQ KELAEITLDP PPNC SAGPKG DNIYEW RSTI
LGPPGSVYEG GVFFLDITFS SDYPFKPPKV TFRTRIYHCN INSQGVICLD ILKDNWSPAL
TISKVLLSIC SLLTDCNPAD PLVGSIA TQY LTNRAEH DRI ARQWTKRYAT.