

UBE2B/HR6B, His, Human

Cat. No.: Z02967-1

Size: 1.0 mg

Synonyms: Human HR6B; Human UBE2B; Ubiquitin-conjugating enzyme E2 B

Description:

Ubiquitinconjugating Enzyme E2 B (UBE2B), also referred to as Homolog of Rad6B (HR6B), is a member of the Ubiquitinconjugating (E2) enzyme family. It has a predicted molecular weight of 17 kDa, and is highly expressed in the brain, heart, and testis. UBE2B forms a thioester bond with ubiquitin through a cysteine residue in its catalytic core domain. Studies indicate that UBE2B may play a critical role in male fertility and overexpression may be linked to certain types of cancer.

Recombinant Human UBE2B produced in *E. coli* cells is a single non-glycosylated polypeptide chain containing 159 amino acids. A fully biologically active molecule, rhUBE2B has a molecular mass of 18.3 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Amino Acid Sequence:

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00001 MHHHHHHAMG QLRSMSTPAR RRLMRDFKRL QEDPPVGVSG
00041 APSENNIMQW NAVIFGPEGT PFEDGTFLV IEFSEEYPNK
00081 PPTVRFLSKM FHPNVYADGS ICLDILQNRW SPTYDVSSIL
00121 TSIQSLLEP NPNSPANSQA AQLYQENKRE YEKRVSAIVE
00161 QSWNDS
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Source: *E. coli*

Biological Activity: Not Available.

Molecular Weight: 18.3 kDa, observed by reducing SDS-PAGE

Formulation: Lyophilized after extensive dialysis against PBS.

Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/ml.

Purity: > 95% as analyzed by SDS-PAGE&HPLC.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Human UBE2B remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Human UBE2B should be stable up to 1 week at 4°C or up to 3 months at -20°C.