

## UBE2B/HR6B, His, Human

**Cat. No.:** Z02967-50

**Size:** 50.0 ug

**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 ddH<sub>2</sub>O 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.