



SHANGHAI GENOMICS

Recombinant Human UBE2B

rHuUBE2B

Catalog number: SG3131-02

Specifications and Use

- Source** ● *Escherichia coli*.
- Molecular Mass** ● 19kDa
- Purity** ● ≥ 95% as determined by SDS-PAGE and HPLC analyses.
- Formulation** ● 1 × PBS, 1 mM DTT and 10 % glycerol, pH7.4.
- Stability** ● Store at -80°C. Avoid repeated freeze-thaw cycles.
- Usage** ● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.

Human UBE2B

This E2 enzyme encodes for the human homolog of the yeast DNA repair gene RAD6, which is induced by DNA damaging agents. UBE2B can conjugate ubiquitin to histone H2A in an E3-independent manner *in vitro*, and is essential for the multi-ubiquitination and degradation of N-end rule substrates. Additionally, UBE2B may have a role in sepsis-induced muscle protein proteolysis and cancer-induced cachexia.

Protein Sequence:

MHHHHHHAMGQLRSMSTPARRRLMRDFKRLQEDPPVGVSGAPSENNIMQWNAVIFGPEGTPFED
GTFKLVIEFSEEYPNKPPTVRFLSKMFHPNVYADGSICLDILQNRWSPTYDVSSILTSIQSLLDEPNP
NSPANSQAALYQENKREYEKRVSAIVEQSWNDS