

**Datasheet for 009-001-U33S****UBE2E3 (UBCH9) protein-HIS Epitope****Overview**

|                      |                                                              |
|----------------------|--------------------------------------------------------------|
| <b>Description:</b>  | UBE2E3(UBCH9) recombinant protein-HIS Epitope - 009-001-U33S |
| <b>Item No.:</b>     | 009-001-U33S                                                 |
| <b>Size:</b>         | 20 µg                                                        |
| <b>Reactivity:</b>   | H. sapiens (Human)                                           |
| <b>Origin:</b>       | Human                                                        |
| <b>Expressed in:</b> | E. coli                                                      |

**Product Details****Background:**

UBE2E3 also known as UBCH9 or ubiquitin-conjugating enzyme E2E 3 is a member of the E2 ubiquitin-conjugating enzyme family. Ubiquitination, the covalent attachment of the protein ubiquitin (Ub) to other cellular proteins is an important cellular mechanism for targeting abnormal or short-lived proteins for degradation that involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s(1). UBE2E3 is highly expressed in skeletal muscle (2). UBE2E3 is essential for the proliferation of RPE-1 cells and is down regulated during RPE layer maturation in the developing mouse eye. These findings indicate that UBE2E3 is a major enzyme in modulating the balance between RPE cell proliferation and differentiation. UBE2E3 Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Cancer, Cell Cycle, and Neurobiology research.

|                           |                                                  |
|---------------------------|--------------------------------------------------|
| <b>Synonyms:</b>          | UBCH9, UbcM2, Ubiquitin-conjugating enzyme E2 E3 |
| <b>Species of Origin:</b> | Human                                            |
| <b>Expressed in:</b>      | E. coli                                          |
| <b>Type:</b>              | Recombinant Protein                              |

**Target Details**

|                    |                    |
|--------------------|--------------------|
| <b>Gene Name:</b>  | UBE2E3             |
| <b>Reactivity:</b> | H. sapiens (Human) |

**Purity/Specificity:** Recombinant full length human UBE2E3 (UBCH9) was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.

**Relevant Links:**

- [NCBI - NM\\_006357](#)

## Application Details

**Application Note:** UBE2E3 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. UBE2E3 Protein is suitable for use in Western Blot. Expect a band approximately ~25kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**WB:** User Optimized

## Formulation

**Physical State:** Liquid (sterile filtered)

**Concentration:** 0.1 µg/µL

**Buffer:** See application note.

## Shipping & Handling

**Shipping Condition:** Dry Ice

**Storage Condition:** Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

**Expiration:** Expiration date is one (1) year from date of receipt.

## Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

