



LD Biopharma, Inc.
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- PRODUCT DATA SHEET -

Name of Product: Recombinant Human UBE2E2 Protein
Catalog Number: HRP-2815
Manufacturer: LD Biopharma, Inc. USA

Introduction

Human Ubiquitin-Conjugating Enzyme E2 E2 (UBE2E2) gene encodes a E2 enzyme which accepts ubiquitin from the E1 complex and catalyzes its covalent attachment to other proteins. In vitro catalyzes 'Lys-11'- and 'Lys-48'-, as well as 'Lys-63'-linked polyubiquitination. Catalyzes the ISGylation of influenza A virus NS1 protein.

Full-length human UBE2E2 cDNA (200aa) was constructed with codon optimization gene synthesis and expressed with a human N-terminalT7-His-TEV cleavage site Tag (31aa) fusion. This protein was expressed in *E. coli* as soluble one. The final product was purified using affinity column.

Gene Symbol:	UBE2E2 (UBCH8)
Accession Number:	NP_689866
Species:	Human
Size:	50 µg / Vial
Composition:	1.0 mg/ml, sterile filtered, in 20% Glycerol / PBS buffer.
Storage:	In Liquid. Keep at -80°C for long term storage. Product is stable at 4 °C for at least two weeks.

Key References

Chang, Y.H., et al., *SETDB1 suppresses NK cell-mediated immunosurveillance in acute myeloid leukemia with granulo-monocytic differentiation*. Cell Rep 43 (8), 114536 (2024)

Hong, X., et al., *UBE2E2 enhances Snail-mediated epithelial-mesenchymal transition and Nrf2-mediated antioxidant activity in ovarian cancer*. Cell Death Dis 14 (2), 100 (2023)



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Moynihan, T.P., et al., *The ubiquitin-conjugating enzymes Ubch7 and Ubch8 interact with RING finger/IBR motif-containing domains of HHARI and H7-AP1*. J Biol Chem 274 (43), 30963-30968 (1999)

Applications

1. May be used for UBE2E2 mediating in vitro a E3 dependent ubiquitination reaction assay using this recombinant human UBE2E2 protein.
2. May be used for UBE2E2 protein-protein interaction assay.
3. As native human UBE2E2 immunogen for specific antibody production.

Quality Control

Purity: > 92 % by SDS-PAGE.

Recombinant Human UBE2E2 Protein Sequence (25.5 kD)

MASMTGGQQMGRGHHHHHENLYFQGGEFGSSTEAQRVDDSPSTSGGSSDGDQRESVQQEPEREQVQPKK
KEGKISSKTAAKLSTSAKRIQKELAEITLDPNPNCAGPKGDNIYEWRTILGPPGSVYEGGVFFLDITF
SPDYPFKPPKVTFRTRIYHCNINSQGVICLDILKDNWSPALTISKVLLSICSLLTDCNPADPLVGSIAATQ
YMTNRAEHRMARQWTKRYAT