

Datasheet for 009-001-U27S**UBE2A protein-HIS Epitope****Overview**

Description:	UBE2A recombinant protein-HIS Epitope - 009-001-U27S
Item No.:	009-001-U27S
Size:	20 µg
Reactivity:	H. sapiens (Human)
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	UBE2A or ubiquitin-conjugating enzyme E2A is a member of the E2 ubiquitin-conjugating enzyme family which is required for post-replicative DNA damage repair and plays an important role in various cellular processes (1). RAD18 and RAD5 play a central role in mediating physical contacts between the members of the RAD6 pathway. UBE2A is specifically important during chronic low dose ultraviolet exposure to prevent counterproductive DNA checkpoint activation and allow cells to proliferate normally (2). Loss of the RAD6 error-free PRR pathway results in DNA damage checkpoint-induced G2 arrest in CLUV-exposed cells. UBE2A Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	HHR6A, MRXS30, MRXSN, RAD6A, UBC2, Ubiquitin-conjugating enzyme E2 A
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	UBE2A
Reactivity:	H. sapiens (Human)
Purity/Specificity:	Recombinant full length human UBE2A was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.
Relevant Links:	<ul style="list-style-type: none">• NCBI - NM_003336

Application Details

Application Note: UBE2A Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. UBE2A Protein is suitable for use in Western Blot. Expect a band approximately ~17kDa 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.

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