

Datasheet for 009-001-U39S**UBE2K (UBC1) protein-HIS Epitope****Overview**

Description:	UBE2K(UBC1) recombinant protein-HIS Epitope - 009-001-U39S
Item No.:	009-001-U39S
Size:	20 µg
Reactivity:	H. sapiens (Human)
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	UBE2K also known as UBC1 or ubiquitin-conjugating enzyme E2K belongs to the ubiquitin-conjugating enzyme family which interacts with RING finger proteins. UBE2K can ubiquitinate huntingtin, the gene product for Huntington's disease. Huntingtin is ubiquitinated in peripheral cells, suggesting a role for UBE2K in the degradation of huntingtin (1). UBE2K plays a role in aggregate formation of expanded polyglutamine proteins and the suppression of apoptosis in polyglutamine diseases (2). UBE2K also plays a role in the dislocation of newly synthesized MHC class I heavy chains from the endoplasmic reticulum, and involvement in foam cell formation. UBE2K Protein is ideal for investigators involved in Signaling Proteins, Ubiquitin Proteins, Cancer, Cell Cycle, and Neurobiology research.
Synonyms:	E2-25K, HIP2, HYPG, LIG, UBC1, Ubiquitin-conjugating enzyme E2 K, Huntingtin-interacting protein 2, Ubiquitin-conjugating enzyme E2-25K
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	UBE2K
Reactivity:	H. sapiens (Human)
Purity/Specificity:	Recombinant full length human UBE2K (UBC1) 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_005339](#)

Application Details

Application Note: UBE2K Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. UBE2K 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.

