

Datasheet for 009-001-U52S**UCHL5 protein-HIS Epitope****Overview**

Description:	UCHL5 recombinant protein-HIS Epitope - 009-001-U52S
Item No.:	009-001-U52S
Size:	20 µg
Reactivity:	H. sapiens (Human)
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	UCHL5 or ubiquitin carboxyl-terminal hydrolase L5 is a member of the UCH enzyme family which contains a conserved catalytic domain and a nonconserved extended C-terminal tail. UCHL5 overexpression increases TGFβR1-dependent transcription. Knockdown of UCHL5 expression by RNA interference abrogated TGF-beta-dependent transcription (1). UCHL5 is a component of the 26S proteasome that functions in editing polyubiquitinated protein substrates (2). The activity of the C-terminal hydrolase UCHL5 is upregulated in a majority of tumor tissues compared to the adjacent normal tissues. UCHL5 Protein is ideal for investigators involved in Signaling Proteins, Angiogenesis, Apoptosis/Autophagy, Cancer, Cell Cycle, Cellular Stress, Inflammation, Invasion/Metastasis, and Neurobiology research.
Synonyms:	PARK5, PGP 9.5, PGP9.5, PGP95, Uch-L1, Ubiquitin carboxyl-terminal hydrolase isozyme L5, Short name=UCH-L5, Ubiquitin C-terminal hydrolase UCH37, Ubiquitin thioesterase L5, UCHL5, UCH37, AD-019, CGI-70
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	UCHL5
Reactivity:	H. sapiens (Human)

Purity/Specificity: Recombinant full-length human UCHL5 was expressed by E. coli cells using an N-terminal his epitope. The purity was determined to be >70% by densitometry.

Relevant Links: • [NCBI - NM_001199261](#)

Application Details

Application Note: UCHL5 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. UCHL5 Protein is suitable for use in Western Blot. Expect a band approximately ~38kDa 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.

