

Datasheet for 009-001-E54S**Vimentin protein-HIS Epitope****Overview**

Description:	Vimentin recombinant protein-HIS Epitope - 009-001-E54S
Item No.:	009-001-E54S
Size:	20 µg
Origin:	Human
Expressed in:	E. coli

Product Details

Background:	Vimentin is a member of intermediate filament family of proteins and is an important structural feature of eukaryotic cells (1). Along with microtubules and actin microfilaments, Vimentin make up the cytoskeleton component of cells. Studies have shown that Vimentin is attached to the nucleus, endoplasmic reticulum and mitochondria, either laterally or terminally. Vimentin plays a significant role in supporting and anchoring the position of the organelles in the cytosol (2). Thus, Vimentin plays a key role in maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. Vimentin Protein is ideal for investigators involved in Signaling Proteins, Microtubule/Actin Associated Proteins, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, Cell Cycle, Cellular Stress, Inflammation, Invasion/Metastasis, and Neurobiology research.
Synonyms:	VIM, FLJ36605, Vimentin
Species of Origin:	Human
Expressed in:	E. coli
Type:	Recombinant Protein

Target Details

Gene Name:	VIM
Purity/Specificity:	Recombinant full-length human Vimentin was expressed by E. coli cells using an N-terminal his epitope. The purity was determined to be >95% by densitometry.
Relevant Links:	• NCBI - NM_003380

Application Details

Application Note:	Vimentin Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. Vimentin Protein is suitable for use in Western Blot. Expect a band approximately ~60kDa 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:	0.2 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.

