Datasheet for ABIN6700879

Vimentin Protein (VIM) (His tag)

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Overview

Quantity:	20 µg
Target:	Vimentin (VIM)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Vimentin protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	Vimentin recombinant protein-HIS Epitope
Purification:	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.
Purity:	>95%

Target Details

Target:	Vimentin (VIM)
Alternative Name:	VIM (VIM Products)
Background:	Synonyms: VIM, FLJ36605, Vimentin 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

Target Details

	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.
NCBI Accession:	NM_003380
Pathways:	Caspase Cascade in Apoptosis

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized Application_Note: Vimentin Protein is suitable for use in Western Blot. Expect a band approximately ~60 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	Vimentin Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	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.
Expiry Date:	12 months