

## Recombinant Human Vimentin

Cat. No. VIM-52H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Expressed in E. coli. DNA sequence encoding human Vimentin (amino acid residues 1-466; Accession # X56134) was fused with a His tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-466 a.a.
<b>Description</b>	Human Vimentin (53.7 kDa) is class III intermediate filament protein, which belongs to the intermediate filament family. It is highly expressed in the cells of mesenchymal origin. Mesenchyme later differentiates into other types of structures and systems: blood cells, endothelial cells, smooth muscle cells, circulatory system, lymphatic system. Vimentin has been used as a specific mesenchymal marker in differential diagnosis of undifferentiated neoplasms. Vimentin is widely distributed in the cytoplasm and is phosphorylated by several protein kinases in vitro.
<b>Applications</b>	ELISA Inhibition Assays Western Blotting
<b>Usage</b>	For research use only. Not for drug, diagnostic or other use.
<b>Notes</b>	Indicated dilutions are recommended starting points for use of this product. Working concentrations should be determined by the investigator.

### GENE INFORMATION

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<b>Gene Name</b>	VIM vimentin [ Homo sapiens ]
<b>Official Symbol</b>	VIM
<b>Synonyms</b>	VIM; vimentin; FLJ36605;
<b>Gene ID</b>	7431
<b>mRNA Refseq</b>	NM_003380
<b>Protein Refseq</b>	NP_003371
<b>UniProt ID</b>	P08670
<b>Chromosome Location</b>	10p13
<b>Pathway</b>	Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; Caspase cascade in apoptosis, organism-specific biosystem; Caspase-mediated cleavage of cytoskeletal proteins, organism-specific biosystem;
<b>Function</b>	identical protein binding; protein C-terminus binding; protein binding; structural constituent of cytoskeleton;

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