

Recombinant Human Vimentin

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	1-466 a.a.
Description	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.
Applications	ELISAInhibition AssaysWestern Blotting
Usage	For research use only. Not for drug, diagnostic or other use.
Notes	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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Gene Name	VIM vimentin [Homo sapiens]
Official Symbol	VIM
Synonyms	VIM; vimentin; FLJ36605;
Gene ID	7431
mRNA Refseq	NM_003380
Protein Refseq	NP_003371
UniProt ID	P08670
Chromosome Location	10p13
Pathway	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;
Function	identical protein binding; protein C-terminus binding; protein binding; structural constituent of cytoskeleton;

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