Vimentin (VIM) Native Protein

PRODUCT OVERVIEW

Product Name	Vimentin, Native Protein
Full Product Name	Vimentin protein
Product Gene Name	VIM native protein
Product Synonym Names	Vimentin protein
Host	Bovine
Form/Format	Lyophilized powder. Reconstitute with 80ul distilled water for a final solution in 10mM sodium phosphate pH 7.5, 6M urea, 2mM DTT, 1mM methylammonium chloride and protein concentration of 1mg/ml.
Purity/Purification	> 98% by SDS gel electrophoresis
Concentration	100ug, lyophilized (lot specific)
Preparation and Storage	Ships ambient or refrigerated. Upon receipt store at 4 degree C. After reconstituted store at -20 degree C.
Molecular Weight	57 kDa
OMIM	116300
3D Structure	ModBase 3D Structure for P08670
Source Note	Bovine lens
Protein Type	Native
Additional Remarks	Isoelectric Point: pl 5.3
Product Categories/Family for VIM native protein	Cell Biology; Native Protein
Applications Tested/Suitable for VIM native protein	User optimized
Related Product Information for VIM native protein	MBS536607 is a native protein targeting VIM. Also known as Vimentin protein. Host: Bovine. Purified native Bovine Vimentin Protein
Other Notes	Small volumes of VIM native protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VIM. It may not necessarily be applicable to this product.

NCBI GI #	62414289
NCBI GeneID	7431
NCBI Accession #	NP_003371.2
UniProt Primary Accession #	P08670
UniProt Secondary Accession #	Q15867; Q15868; Q15869; Q548L2; Q6LER9; Q8N850; Q96ML2; Q9NTM3; B0YJC2; D3DRU4
UniProt Related Accession #	P08670

GenBank Nucleotide #	NM_003380.3
NCBI Official Full Name	vimentin
NCBI Official Synonym Full Names	vimentin
NCBI Official Symbol	VIM
NCBI Official Synonym Symbols	HEL113; CTRCT30
UniProt Protein Name	Vimentin
Protein Family	Vimentin
UniProt Gene Name	VIM
UniProt Entry Name	VIME_HUMAN
NCBI Protein Information	vimentin
NCBI Summary for VIM	This gene encodes a member of the intermediate filament family. Intermediate filamentents, along with microtubules and actin microfilaments, make up the cytoskeleton. The protein encoded by this gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoskeletal interactions. It is also involved in the immune response, and controls the transport of low-density lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions as an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract.[provided by RefSeq, Jun 2009]
UniProt Comments for VIM	Vimentin: an intermediate filament protein. Intermediate filament proteins are expressed in a tissue-specific manner. Desmin is the subunit specific for muscle and vimentin the subunit specific for mesenchymal tissue. Protein type: Motility/polarity/chemotaxis; Cytoskeletal Chromosomal Location of Human Ortholog: 10p13 Cellular Component: intermediate filament cytoskeleton; neuron projection; focal adhesion; cytoskeleton; leading edge; cytoplasm; plasma membrane; intermediate filament; peroxisome; cytosol Molecular Function: protein C-terminus binding; identical protein binding; protein binding; structural constituent of cytoskeleton; double-stranded RNA binding; glycoprotein binding; structural constituent of eye lens Biological Process: Bergmann glial cell differentiation; viral reproduction; apoptosis; intermediate filament organization; cell motility; astrocyte development; muscle filament sliding; cell structure disassembly during apoptosis Disease: Cataract 30
Research Articles on VIM	**1.** high expression in hepatocellular carcinoma
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/native-protein/vimentin/536607