

Recombinant Human VIM Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. VIM-4023H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	VIM MS Standard C13 and N15-labeled recombinant protein (NP_003371) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a type III intermediate filament protein. Intermediate filaments, along with microtubules and actin microfilaments, make up the cytoskeleton. The encoded protein is responsible for maintaining cell shape and integrity of the cytoplasm, and stabilizing cytoskeletal interactions. This protein is involved in neuritogenesis and cholesterol transport and functions as an organizer of a number of other critical proteins involved in cell attachment, migration, and signaling. Bacterial and viral pathogens have been shown to attach to this protein on the host cell surface. Mutations in this gene are associated with congenital cataracts in human patients.
Molecular Mass	53.5 kDa
AA Sequence	MSTRSVSSSSYRRMFGGPGTASRPSSSRSYVTTSTRTYSLGSLALRPSTSRSLYASS PGGVYATRSSAVRLRSSVPGVRLQDSVDFSLADAINTEFKNTRTNEKVELQELNDR FANYIDKVRFLQKQNKILLAELEQLKGQKSRGLDLYEEEMRELRRQVDQLTNDKAR VEVERDNLAEDIMRLREKLQEEMLQREEAENTLQSFQDQVDNASLARLDLERKVES

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LQEEIAFLKKLHEEEIQELQAQIQEQHVQIDVDVSKPDLTAALRDVRQQYESVAAKNL
 QEAEWYKSKFADLSEAANRNNNDALRQAKQESTEYRRQVQSLTCEVDALKGTNES
 LERQMREMEENFAVEAANYQDTIGRLQDEIQNMKEEMARHLREYQDLLNVKMALDI
 EIATYRKLLLEGESRISLPLPNFSSLNLRETNLDSLPLVDTHSKRTLTIKTVETRDGQVI
 NETSQHHDDLETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name VIM vimentin [Homo sapiens (human)]

Official Symbol VIM

Synonyms VIM; vimentin; vimentin; epididymis secretory sperm binding protein

Gene ID 7431

mRNA Refseq NM_003380

Protein Refseq NP_003371

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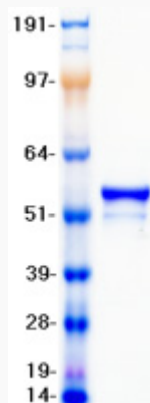
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MIM 193060

UniProt ID P08670

SDS-PAGE



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