

Recombinant Full Length Human VIM Protein, C-Flag-tagged

Cat. No. VIM-17HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human VIM Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	53.5 kDa
AA Sequence	MSTRSVSSSSYRRMFGGPGTASRPSSRSYVTTSTRTYSLGSALRPSTSRSLYASS PGGVYATRSSAVRL RSSVPGVRLQLQDSVDFSLADAINTEFKNTRTNEKVELQELND RFANYIDKVRFLQEQNKILLAELEQLKG QGKSRLGDLYEEEMRELRRQVDQLTNDK ARVEVERDNLAEEDIMRLREKLQEEMLQREEAENTLQSFQRQDV DNASLARLDLERKV

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ESLQEEIAFLKKLHEEEIQELQAQIQEQHVQIDVDVSKPDLTAALRDVRQQYESVA A
 KNLQEAEEWYKSKFADLSEAANRNNDALRQAKQESTEYRRQVQSLTCEVDALKGT
 NESLERQMREMEEN FAVEAANYQDTIGRLQDEIQNMKEEMARHLREYQDLLNVKM
 ALDIEIATYRKLLLEGEEESRISLPLPNFSS
 LNLRETNLDSLPLVDTHSKRTLLIKTVETRDGQVINETSQHHDDLETRTRPLEQKLISE
 EDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	ES Cell Differentiation/IPS
Full Length	Full L.

GENE INFORMATION

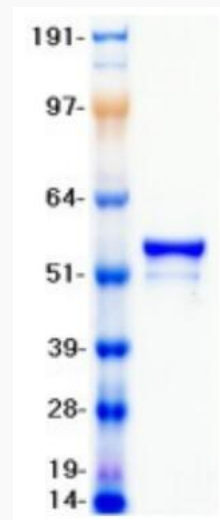
Gene Name	VIM vimentin [Homo sapiens (human)]
Official Symbol	VIM
Synonyms	CTRCT30; HEL113

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Gene ID	7431
mRNA Refseq	NM_003380.5
Protein Refseq	NP_003371.2
MIM	193060
UniProt ID	P08670



Coomassie blue staining of purified VIM protein.

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