

## Product datasheet for PH301546

### Vimentin (VIM) (NM\_003380) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	VIM MS Standard C13 and N15-labeled recombinant protein (NP_003371)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201546
Predicted MW:	53.5 kDa
Protein Sequence:	>RC201546 representing NM_003380 Red=Cloning site Green=Tags(s)
	MSTRSVSSSSYRRMFGGPGTASRPSSSSRSYVTTSTRTYSLGSALRPSTSRSLYASSPGGVYATRSSAVRL RSSVPGVRLQLQDSVDFSLADAINTEFKNTRTNEKVELQELNDRFANYIDKVRFLQEQNKILLAELEQLKG QGKSRLGDLYEEEMRELRRQVDQLTNDKARVEVERDNLAEDIMRLREKLQEEMLQREEAENTLQSFQRQDV DNASLARLDLQERKVESLQEEIAFLKKLHEEEIQELQAQIQEQHVQIDVDVSKPDLTAALRDVRQQYESVA AKNLQEAEEWYKSKFADLSEAANRNDALRQAKQESTEYRRQVQSLTCEVDALKGTNESLERQMREMEEN FAVEAANYQDTIGRLQDEIQNMKEEMARHLREYQDLLNVKMALDIEIATYRKLLEGEESRISLPLPNFSS LNLRETNLDSLPLVDTHSKRTLLIKTVETRDGQVINETSQHDDLE
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003371</u>
RefSeq Size:	1847
RefSeq ORF:	1398
Locus ID:	7431



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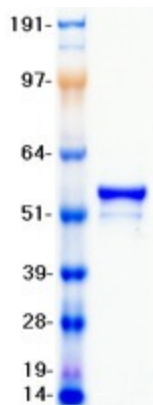
UniProt ID: [P08670](#), [V9HWE1](#)

Cytogenetics: 10p13

**Summary:** 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. [provided by RefSeq, Aug 2017]

**Protein Families:** ES Cell Differentiation/IPS

### Product images:



Coomassie blue staining of purified VIM protein (Cat# [TP301546]). The protein was produced from HEK293T cells transfected with VIM cDNA clone (Cat# [RC201546]) using MegaTran 2.0 (Cat# [TT210002]).