

## Product datasheet for **TP301546L**

### Vimentin (VIM) (NM\_003380) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human vimentin (VIM), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201546 representing NM_003380 Red=Cloning site Green=Tags(s)

MSTRSVSSSSYRRMFGGPGTASRPSSRSYVTTSTRTYSLGSALRPSTSRSLYASSPGGVYATRSSAVRL  
RSSVPGVRLQLQDSVDFSLADAINTEFKNTRTNEKVELQELNDRFANYIDKVRFLQEQNKILLAELEQLKG  
QGKSRLGDLYEEMRELRRQVDQLTNDKARVEVERDNLAEDIMRLREKLQEEMLRQEEAENTLQSFQDV  
DNASLARLDLERKVESLQEEIAFLKKLHEEEIQELQAQIQEQHVQIDVDVSKPDLTAALRDVRRQYQESVA  
AKNLQEAEEWYKSKFADLSEAANRNNDALRQAKQESTERYRQVQSLTCEVDALKGTNESLERQMREMEEN  
FAVEAANYQDTIGRLQDEIQNMKEEMARHLREYQDLLNVKMALDIEIATYRKLLEGEESRISLPLPNFSS  
LNLRETNLDSLPLVDTHSKRTLLIKTVETRDGQVINETSQHDDLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	53.5 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_003371</a>



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Locus ID: 7431

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

RefSeq Size: 1847

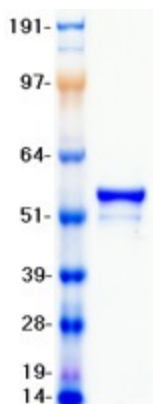
Cytogenetics: 10p13

RefSeq ORF: 1398

**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]).