

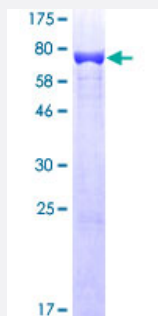
Full-Length

VIM (Human) Recombinant Protein (P01)

Catalog # H00007431-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human VIM full-length ORF (NP_003371.2, 1 a.a. - 466 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSTRSVSSSSYRRMFGGPGTASRPSSSRSYVTTSTRTYSLGSALRPSTSRSLYASSPGGVYATRS
SAVRLRSSVPGVRLLQDSVDFSLADAINTEFKNTRTNEKVELQELNDRFANYDKVRFLEQQNKIL
LAELEQLKGQKSR LGDLYEEEMRELRRQVDQLTNDKARVEVERDNLAEDIMRLREKLQEEMLQ
REEAENTLQSFRQDV DNASLARLDLERKVESLQEEIAFLKKLHEEEIQELQAQIQEQHVQIDVDVS
KPDLTAAALRDVRQQYESVAAKNLQEAEEWYKSKFADLSEAANRNNDALRQAKQESTEYRRQVQ
SLTCEVDALKGTNESLERQMREMEENFAVEAANYQDTIGRLQDEIQNMKEEMARHLREYQDLLN
VKMALDIEIATYRKLLERGEESRISLPLPNFSSLNLRETNLDSLPLVDTHSKRTLLIKTVETRDGQVINE
TSQHDDLE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.1

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — VIM

Entrez GeneID	7431
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GeneBank Accession#	NM_003380.2
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Protein Accession#	NP_003371.2
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Gene Name	VIM
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Gene Alias	FLJ36605
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Gene Description	vimentin
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Omim ID	193060
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Gene Ontology	Hyperlink
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Gene Summary	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 thi s gene is responsible for maintaining cell shape, integrity of the cytoplasm, and stabilizing cytoske letal interactions. It is also involved in the immune response, and controls the transport of low-dens ity lipoprotein (LDL)-derived cholesterol from a lysosome to the site of esterification. It functions a s an organizer of a number of critical proteins involved in attachment, migration, and cell signaling. Mutations in this gene causes a dominant, pulverulent cataract
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Other Designations	OTTHUMP00000019224
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Publication Reference

- [Regulation of cell adhesion to collagen via beta1 integrins is dependent on interactions of filamin A with vimentin and protein kinase C epsilon.](#)

Kim H, Nakamura F, Lee W, Hong C, Perez-Sala D, McCulloch CA.

Experimental Cell Research 2010 Jul; 316(11):1829.

Application: PI, WB-Re, Recombinant protein

Disease

- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Bulimia](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)