

## 32-20252: Recombinant Human Vimentin(Discontinued)

**Alternative Name :** Vim

### Description

**Source:**E.coli

Vimentin is a class III intermediate filament protein predominantly found in cells of mesenchymal origins, such as vascular endothelium and blood cells, where it functions as a major cytoskeletal component. Due to its importance and abundance in the cytoskeletal structure of mesenchymally-derived cells, vimentin is frequently used as a developmental marker within cells of mesenchymal origin or cells undergoing epithelial-mesenchymal transition, which can occur during both normal and metastatic growth. An active participant within several critical processes of cellular organization and protein regulation, vimentin is involved in the anchorage of organelles within the cytoplasmic matrix, development of astrocytes, and the disassembly of cellular components during the execution phase of apoptosis. Abnormalities in the normal physiological pathways of vimentin have been implicated in deficient motility and directional migration involved in wound healing, cellular growth and development, as well as the adhesion-site accumulation of vimentin on lens epithelial cells in cases of dominant cataracts. Recombinant Human Vimentin is a 54.3 kDa protein consisting of 471 amino acid residues, including a 6-residue C-terminal His-Tag.

### Product Info

**Amount :** 20 µg / 100 µg

**Purification :** Purity:  $\geq 95\%$  by SDS-PAGE gel and HPLC analyses.

**Amino Acid :** STRSVSSSSY RRMFGGPGTA SRPSSRSYV TTSTRTYSLG SALRPSTSR S LYASSPGGVY ATRSSAVRLR  
SSVPGVRLQ DSVDFSLADA INTEFKNTRT NEKVELQELN DRFANYIDKV RFLEQNKIL LAELEQLKGQ  
GKSRLGDLYE EEMRELRQV DQLTNDKARV EVERDNLAED IMRLREKLQE EMLQREEAEN  
TLQSFQDQVD NASLARLDLE RKVESLQEEI AFLKKLHEEE IQELQAQIQE QHVQIDVDVS KPDLTAALRD  
VRQQYESVAA KNLQEAEEWY KSKFADLSEA ANRNNALRQ AKQESTEYRR QVQSLTCEVD  
ALKGTNESLE RQMREMEENF AVEAANYQDT IGRQDEIQN MKEEMARHLR EYQDLLNVKM ALDIEIATYR  
KLLGEEESRI SLPLPNFSSL NLRETNLDSL PLVDTHSKRT LLIKTVETRD GQVINETSQH HDDLEHHHHH H