

Vimentin Recombinant Protein | VIM recombinant protein

Recombinant Human Vimentin

CATALOG # AAA76540	HOST E. coli	REACTIVITY Human
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PRODUCT SYNONYMS

Vimentin; Recombinant Human Vimentin; Green fluorescent protein; GFP.; VIM recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Reactivity	Human
Purity/Purification	Greater than 95.0% as determined by bySOS-PAGE.
Form/Format	The protein (1mg/ml) was lyophilized with 30mM Tris/HCL, pH 8, 9.5M urea, 2mM EDTA, 2mM DTT 10mM methylammonium chloride.
Sequence	STRSVSSSSY RRMFGGPGTA SRPSSSRSYV TTSTRTYSLG SALRPSTSRs LYASSPGGVY ATRSSAVRLR SSVPGVRLQ DSVDFSLADA INTEFKNTRT NEKVELQELN DRFANYIDKV RFLEQQNKIL LAEELQLKGQ GKSRGLDLYE EEMRELRRQV DQLTNDKARV EVERDNLAED IMRLREKLQE EMLQREEAEN TLQSFRQDVD NASLARLDLE RKVESLQEEI AFLKKLHEEE IQELQAQIQE QHVQIDVDVS KPDLTAAALRD VRQQYESVAA KNLQEAEEWY KSKFADLSEA ANRNNDALRQ AKQESTEYRR QVQSLTCEVD ALKGTNESLE RQMREMEENF AVEAANYQDT IGRQLDEIQN MKEEMARHLR EYQDLLNVKM ALDIEIATYR KLEGEESRI SLPLPNFSSL NLRETNLDSL PLVDTHSKRT LLIKTVETRD GQVINETSQH HDDLE
Sequence Length	466
Reconstitution	It is recommended to reconstitute the rHuVim in sterile 18MO-cm H2O not less than 100ug/ml, which can then be further diluted to other aqueous solutions. Reconstitution to Filaments: After vimentin is dissolved in 9.5M urea buffer (see above), protofilaments and filament complexes are obtained by dialyzing the resulting polypeptide solution stepwise to a concentration of 4M urea and then to low salt condition (50mM NaCl, 2mM dithiothreitol, 10mM Tris-HCl, pH 7.4). For immunization purposes, the solution can be further dialyzed against PBS (phosphate buffered saline, e.g. Oulbecco's PBS). Hatzfeld M. and Franke W. W. (1985). J. Cell Biol. 101, 1826-1841 Hatzfeld M. et al. (1987). J. Mol. Biol. 197, 237-255
Preparation and Storage	Lyophilized rHuVim although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution rHuVim should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1 % HSA or BSA). Please avoid freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for VIM recombinant protein	This protein was produced in E. coli cells and is a single non-glycosylated protein containing 465 amino acids chain and having a molecular mass of 53.5kDa
Product Categories/Family for VIM recombinant protein	Proteins; Growth/Differentiation Factors and Small Molecules; Cancer; Vimentin

NCBI AND UNIPROT INFORMATION

NCBI GI #	62414289
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NCBI GeneID	7431
NCBI Accession #	NP_003371.2
NCBI GenBank Nucleotide #	NM_003380.3
NCBI Official Full Name	vimentin
NCBI Official Synonym Full Names	vimentin
NCBI Official Symbol	VIM
NCBI Official Synonym Symbols	HEL113; CTRCT30
NCBI Protein Information	vimentin
UniProt Protein Name	Vimentin
UniProt Gene Name	VIM
UniProt Entry Name	VIME_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/vim-recombinant-protein-e-coli/76540>