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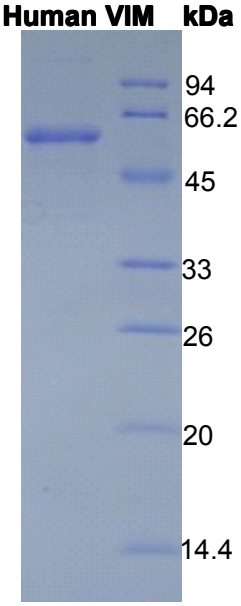
P91040Hu01
Vimentin (VIM)
Organism: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES

4th Edition (Revised in February, 2012)



15% SDS-PAGE

[DESCRIPTION]

Protein Names: Vimentin
Synonyms: VIM
Species: Human
Size: 10μg
Source: *Escherichia* coli-derived
Subcellular Location: Cytoplasm.

[PROPERTIES]

Residues: Ser2~Glu466 (Accession # P08670), with N-terminal His-Tag.
Grade & Purity: >92%, 55 kDa as determined by SDS-PAGE reducing conditions.
Formulation: Supplied as lyophilized form in PBS, pH 7.4, containing 0.01% Sarcosyl, 5% sucrose.
Endotoxin Level: <1.0 EU per 1μg (determined by the LAL method).
Applications: SDS-PAGE; WB; ELISA; IP.
(May be suitable for use in other assays to be determined by the end user.)
Predicted Molecular Mass: 55.0 kDa
Predicted isoelectric point: 5.2

[PREPARATION]

Reconstitute in sterile PBS, pH7.2-pH7.4.

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[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months .

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37℃ for 48h, and no obvious degradation and precipitation were observed.(Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The target protein is fused with one N-terminal His-tag, its sequence is listed below.

MGHHHHHHSGSEF-STRSVSSSS YRRMFGGPGT ASRPSSSRSY VTTSTRTYSL GSALRPSTSR SLYASSPGGV YATRSSAVRL RSSVPGVRLL QDSVDFSLAD AINTEFKNTR TNEKVELQEL NDRFANYIDK VRFLEQQNKI LLAELEQLKG QGKSRLGDLY EEEMRELRRQ VDQLTNDKAR VEVERDNLAE DIMRLREKLQ EEMLQREEAE NTLQSFRQDV DNASLARLDL ERKVESLQEE IAFLKKLHEE EIQELQAQIQ EQHVQIDVDV SKPDLTAALR DVRQQYESVA AKNLQEAEEW YKSKFADLSE AANRNNDALR QAKQESTEYR RQVQSLTCEV DALKGTNESL ERQMREMEEN FAVEAANYQD TIGRLQDEIQ NMKEEMARHL REYQDLLNVK MALDIEIATY RKLLEGEESR ISLPLPNFSS LNLRETNLDS LPLVDTHSKR TLLIKTVETR DGQVINETSQ HHDDLE

[REFERENCES]

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