# **Recombinant Vimentin (VIM) Instruction Manual**

# SIPB023Mu02

Mus musculus (Mouse)

Source	Prokaryotic expression		
Host	E.coli		
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)		
Subcellular Location	Cytoplasm		
Predicted Molecular Mass	Mass 54.7kDa		
Accurate Molecular Mass	rate Molecular Mass52kDa(Analysis of differences refer to the manual)		
Residues & Tags	Ser2~Glu466 with N-terminal His Tag		
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.		
Traits	Freeze-dried powder		
Purity	> 97%		
Isoelectric Point	5.1		
Applications	Positive Control; Immunogen; SDS-PAGE; WB.		

### SEQUENCE

	YRRMFGGSGT			
	YVTRSSAVRL		•	
TNEKVELQEL	NDRFANYIDK	VRFLEQQNKI	LLAELEQLKG	QGKSRLGDLY
EEEMRELRRQ	VDQLTNDKAR	VEVERDNLAE	DIMRLREKLQ	EEMLQREEAE
STLQSFRQDV	DNASLARLDL	ERKVESLQEE	IAFLKKLHDE	EIQELQAQIQ
EQHVQIDVDV	SKPDLTAALR	DVRQQYESVA	AKNLQEAEEW	YKSKFADLSE
AANRNNDALR	QAKQESNEYR	RQVQSLTCEV	DALKGTNESL	ERQMREMEEN
FALEAANYQD	TIGRLQDEIQ	NMKEEMARHL	REYQDLLNVK	MALDIEIATY
RKLLEGEESR	ISLPLPTFSS	LNLRETNLES	LPLVDTHSKR	TLLIKTVETR
DGQVINETSQ	HHDDLE			

## USAGE

Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

#### STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at - 80°C for 12 months.

#### STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

#### Image

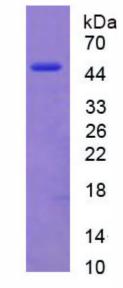


Figure. SDS-PAGE

#### [IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.