

# Recombinant Integrin Alpha V (ITGaV) Instruction Manual

**SIPB663Hu02**

**Homo sapiens (Human)**

<b>Source</b>	Prokaryotic expression
<b>Host</b>	E.coli
<b>Endotoxin Level</b>	<1.0EU per 1µg (determined by the LAL method)
<b>Subcellular Location</b>	Membrane
<b>Predicted Molecular Mass</b>	61.6kDa
<b>Accurate Molecular Mass</b>	62kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Phe31~Gly560 with N-terminal His Tag
<b>Buffer Formulation</b>	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	5.0
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```

                                     FNLDVDSPA E YSGPEGSYFG
FAVDFFVPSA SSRMFLLVGA PKANTTQPGI VEGGQVLKCD WSSTRRCQPI
EFDATGNRDY AKDDPLEFKS HQWFGASVRS KQDKILACAP LYHWRTEMKQ
EREPVGT CFL QDGTKTVEYA PCRSQDIDAD GQGFCQGGFS IDFTKADRVL
LGGPGSFYWQ GQLISDQVAE IVSKYDPNVY SIKYNNQLAT RTAQAI FDDS
YLGYSVAVGD FNGDGIDDFV SGVPRAARTL GMVYIYDGKN MSSLYNFTGE
QMAAYFGFSV AATDINGDDY ADVFIGAPLF MDRGSDGKLQ EVGQVSVSLQ
RASGDFQTTK LNGFEVFARF GSAIAPLGDL DQDGFNDIAI AAPYGGEDKK
GIVYIFNGRS TGLNAVPSQI LEGQWAARSM PPSFGYSMKG ATDIDKNGYP
DLIVGAFGVD RAILYRARPV ITVNAGLEVY PSILNQDNKT CSLPGTALKV
SCFNVRFCLK ADGKGVLPRK LNFQVELLLD KLKQKGAIRR ALFLYSRSPS
HSKNMTISRG
```

## 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

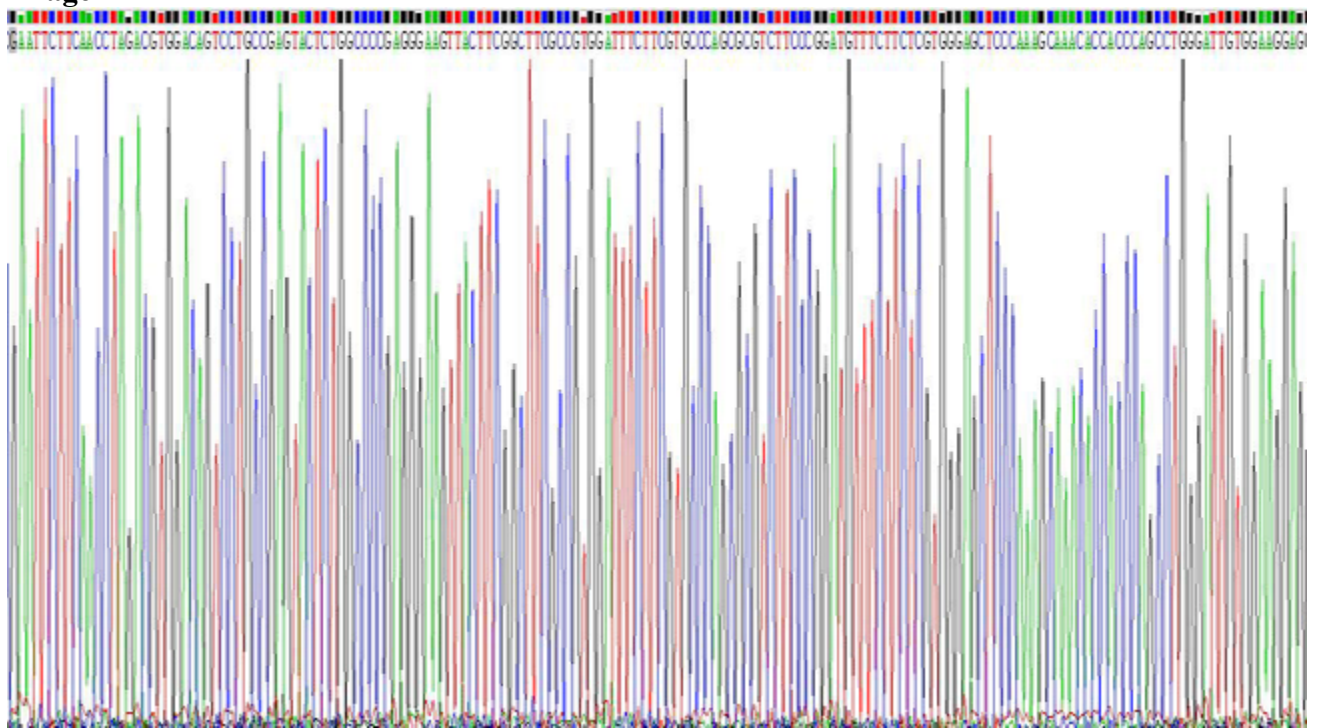


Figure. SDS-PAGE

## **[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.