

# Recombinant Rac-GTPase Activating Protein 1 (RACGAP1) Instruction Manual

**SIPE555Hu01**

**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>	Nucleus, Cytoplasm
<b>Predicted Molecular Mass</b>	78.1kDa
<b>Accurate Molecular Mass</b>	78kDa(Analysis of differences refer to the manual)
<b>Residues &amp; Tags</b>	Met106~Trp539 with N-terminal His and GST Tag
<b>Buffer Formulation</b>	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
<b>Traits</b>	Freeze-dried powder
<b>Purity</b>	> 90%
<b>Isoelectric Point</b>	8.9
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

## SEQUENCE

```
MLMCD TSGSIQLSEE QKSALAFLNR GQPSSSNAGN KRLSTIDESG  
SILSDISFDK TDESLDWDSS LVKTFKFKKR EKRRSTSRQF VDGPPGPVKK  
TRSIGSAVDQ GNESIVAKTT VTVPNDGGPI EAVSTIETVP YWTRSRRKTG  
TLQPWNSDST LNSRQLEPRT ETDSVGTPQS NGGMRLHDFV SKTVIKPESC  
VPCGKRIKFG KLSLKCRDCR VVSHPECRDR CPLPCIPTLI GTPVKIGEGM  
LADFVSQTSP MIPSIVVHCV NEIEQRGLTE TGLYRISGCD RTVKELKEKF  
LRVKTVPLLS KVDDIHAICS LLKDFLRNLK EPLLTFRNLN AFMEAAEITD  
EDNSIAAMYQ AVGELPQANR DTLAFLMIHL QRVAQSPHTK MDVANLAKVF  
GPTIVAHAVP NPDPVTMLQD IKRQPKVVER LLSLPLEYW
```

## USAGE

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

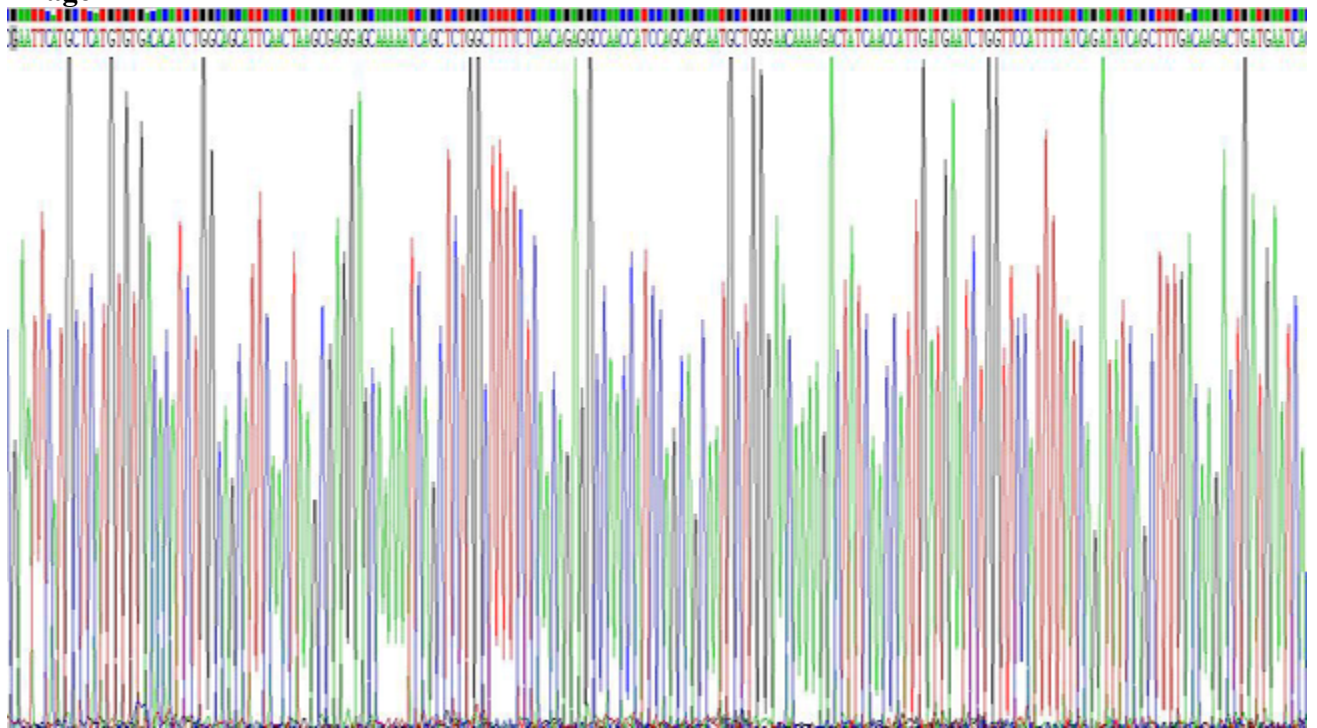
## STORAGE

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



SDS-PAGE Image

## **[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.