Recombinant Rap Guanine Nucleotide Exchange Factor 1 (RAPGEF1) Instruction Manual

SIPB972Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method)
Subcellular Location	Endoplasmic reticulum lumen
Predicted Molecular Mass	33.6kDa
Accurate Molecular Mass	34kDa(Analysis of differences refer to the manual)
Residues & Tags	Lys780~Asn1035 with N-terminal His Tag
Buffer Formulation	100mM$NaHCO_3$, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	8.9
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```
                              K LLMELVFRLV CNGELSLARV
LRKNILDKVD QKKLLRCATS SQPLAARGVA ARPGTLHDFH SHEIAEQLTL
LDAELFYKIE IPEVLLWAKE QNEEKSPNLT QFTEHFNNMS YWVRSIIMLQ
EKAQDRERLL LKFIKIMKHL RKLNNFNSYL AILSALDSAP IRRLEWQKQT
SEGLAEYCTL IDSSSSFRAY RAALSEVEPP CIPYLGLILQ DLTFVHLGNP
DYIDGKVNFS KRWQQFNILD SMRCFQQAHY DMRRN
```

USAGE

Reconstitute in 100mM $NaHCO_3$, 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

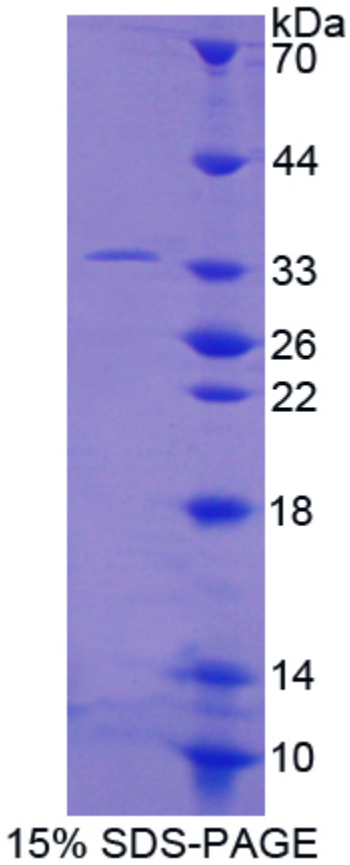
STORAGE

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.