

Recombinant Protein Kinase, AMP Activated Alpha 1 (AMPK Alpha 1) Instruction Manual

SIPA851Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Nucleus, Cytoplasm
Predicted Molecular Mass	29.6kDa
Accurate Molecular Mass	31kDa(Analysis of differences refer to the manual)
Residues & Tags	Ile28~Lys257 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	8.5
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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ILG DTLGVGTFGK VKVGKHELTG  
HKVAVKILNR QKIRSLDVVG KIRREIQNLK LFRHPHIKL YQVISTPSDI  
FMVMEYVSGG ELFDYICKNG RLDEKESRRL FQQILSGVDY CHRHMVVHRD  
LKPENVLLDA HMNAKIADFG LSNMMSDGEF LRTSCGSPNY AAPEVISGRL  
YAGPEVDIWS SGVILYALLC GTLPFDDDHV PTLFKKICDG IFYTPQYLN  
SVISLLK
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USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL.
Do not vortex.

STORAGE

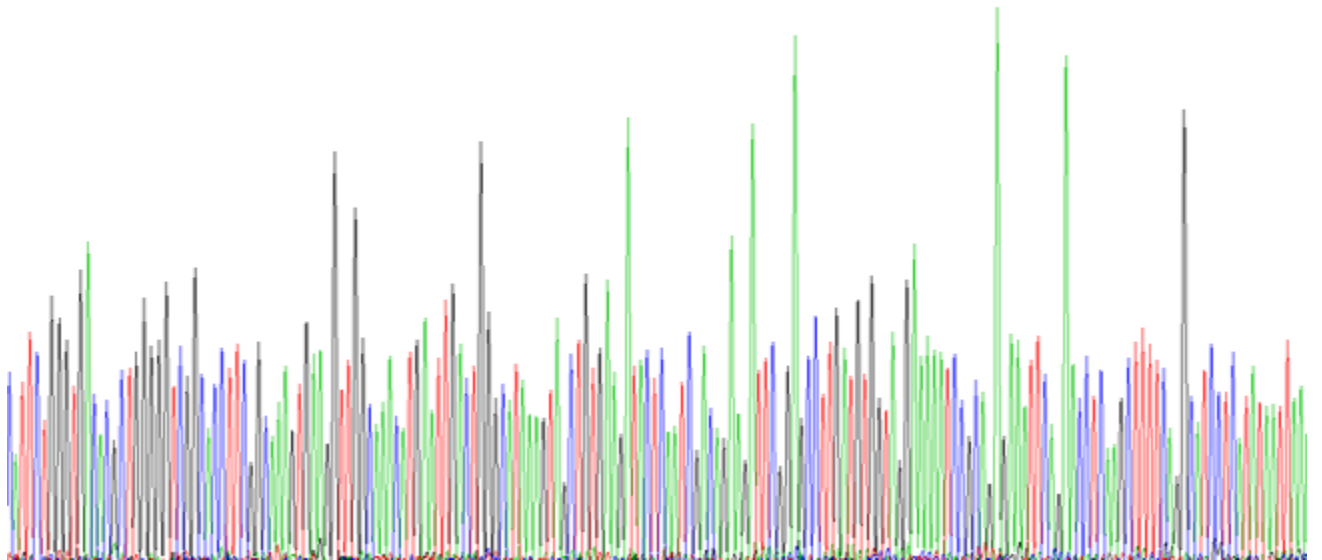
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

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

ATTCTGGGGTACAGCCTGGGGTGGCACTTGGCAAGCTGAAAGTTGCCAAGCATGAAATTCAGCCATAAAGTACCTGTGAGTACTCATGACAGAGATTGGAGCCTTCACTGCTAGCAAAAATCCAGAGAAATTCAGAACTCAGCCTTTTACGGATCCTCATATATTAAI
I I L G D T L G V G T F G K V K V G K H E L T G H X V A V K I L N R Q K I R S L D V V G K I R R E I Q N L K L F R H P H I K



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.