

Recombinant Cytokeratin 14 (CK14)

Instruction Manual

SIPA235Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Nucleus, Cytoplasm
Predicted Molecular Mass	56.6kDa
Accurate Molecular Mass	57kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Asn484 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	5.1
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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MATCSRQFTS SSSMKGSCGI GGGSSRMSSI LAGGSCRAPS TYGGMSVTSS  
RFSSGGACGI GGGYGGSFSS SSFGGGLGSG FGGRFDGFGG GFGGGLGGGF  
GGGLGGGLGG GIGDGLLVGS EKVTMQNLND RLATYLDKVR ALEEANTELE  
VKIRDWYQRQ RPTEIKDYSP YFKTIEDLKS KILAATVDNA NVLLQIDNAR  
LAADDFRTKF ETEQSLRMSV EADINGLRRV LDELTLARAD LEMQIESLKE  
ELAYLKKNHE EEMASMRGQV GGDVNVEMDA APGVLSRIL NEMRDQYEKM  
AEKNRKDAEE WFFSKTEELN REVATNSELV QSGKSEISEL RRTMQNLEIE  
LQSQLSMKAS LENNLEETKG RYCMQLAQIQ EMIGSVEEQL AQLRCEMEQQ  
NQEYKILLDV KTRLEQEIAT YRRLLEGEDA HLSSSQFSSS SQFSSGSQSS  
RDVTSTNRQI RTKVMVDVHDG KVVSTHEQVL RTKN
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USAGE

Reconstitute in ddH₂O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

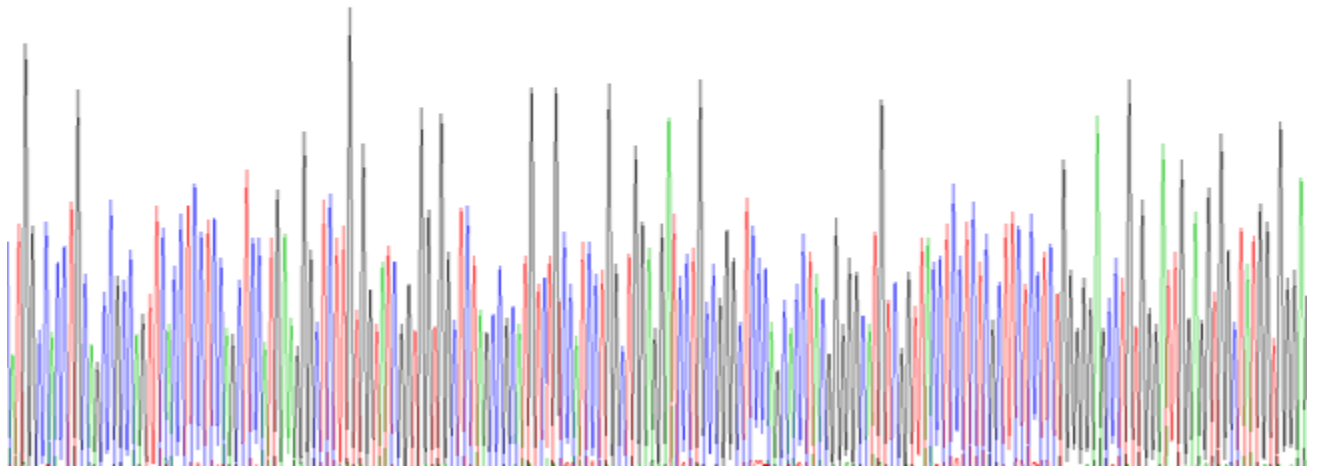
Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

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

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ATGGCCAGCTGACAGGCGACGTTCACTCTCTGACCTCATGAGGCTCTTGTAGATGAGTGTGCTTATGCGGATGCTGCACTCTGACTGAGGATCTGCGGCTTCCAGCACTAAGGGGGATGTGGTTCACTCTCTGCTCTCTCTGCGGACCTCTGTGGATTGAGAGCTCCATGGTGGAT  
KATCSRQFTSSSSSKKGGSCGIGGGSSRWS;IILAGGSCRAPSTTGGWSTVSSRFSSGGACGIGGGTGG S
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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.