Recombinant Cytokeratin 20 (CK 20) Instruction Manual

SIPB413Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Cytoplasm
Predicted Molecular Mass	50.2kDa
Accurate Molecular Mass	50kDa(Analysis of differences refer to the manual)
Residues & Tags	Asp2~Val431 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	5.0
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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 DFSRQSFHR  SLSSSSQGPA  LSMSGSLYRK  GTVQRLGAAP  SVYGGAGGHG
TRISVSKAVM  SYGGDLSNGS  DLFGGNGKLA  MQNLNDRLAN  YLEKVRSLEQ
SNSRLEAQIK  QWYETNAPST  IRDYSSYYAQ  IKELQNQVKD  AQVQNAQCVL
RIDNAKLAAE  DFRLKFETER  GMRIAVEADL  QGLSKVYDNL  TLQKTDLEIQ
IEELNKDLAL  LKKEHQEEVE  VLRRQLGNNV  NVEVDAAPGL  NLGEIMNEMR
QRYEVLAQKN  LQEAKEQFER  QSQTLQQQVT  VNTEELKGFE  VQVTELRRTY
QNLEIELQSH  LSMKESLERN  LEDVKARYAS  QLAAIQEMLS  SLEAQLMQIR
SDTERQNQEH  NILLDIKTRL  EQEIATYRRL  LEGEDIKTTE  YQLSTLEMKD
IKKTRKIKTV  VEEVVDGKVV  SSEVKEIEES  V
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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.
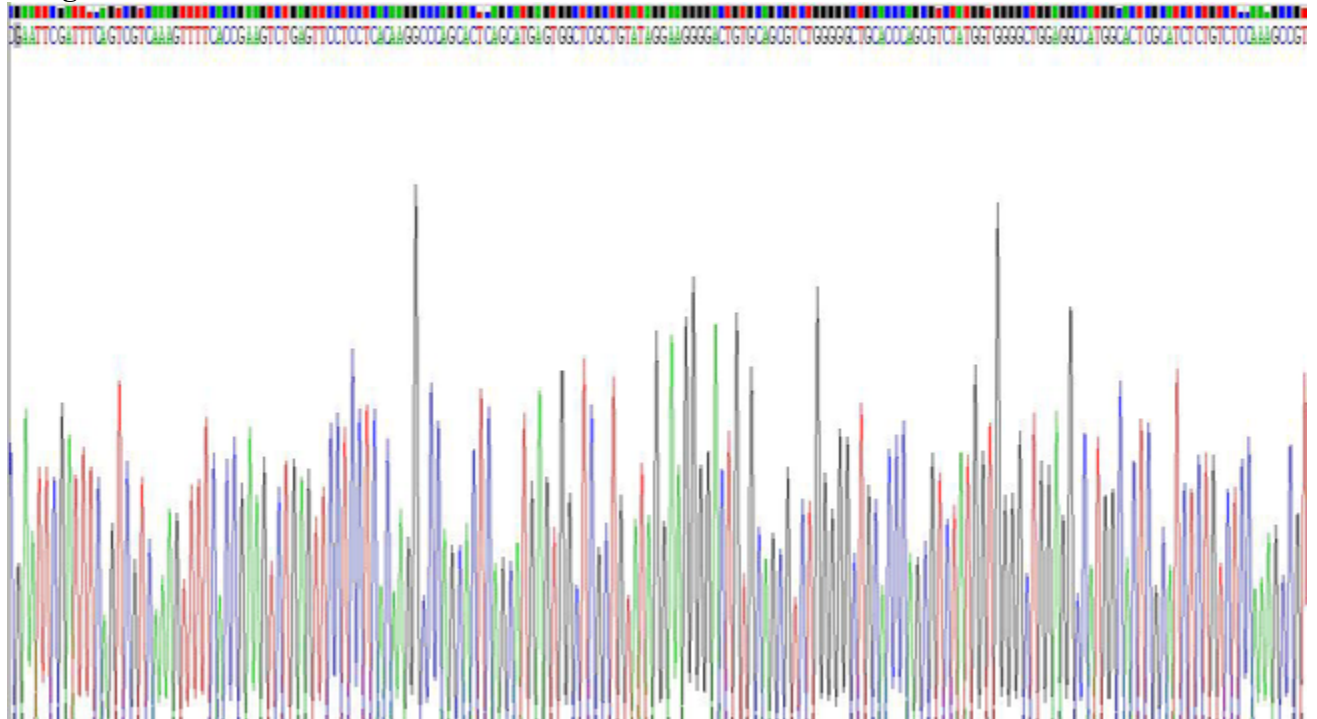
Image

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.