

Recombinant Serine Hydroxymethyltransferase 2, Mitochondrial (SHMT2) Instruction Manual

SIPE610Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	56.3KDa
Accurate Molecular Mass	60kDa(Analysis of differences refer to the manual)
Residues & Tags	Asn30~His504 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	8.1
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                                     N AAQTQTGEAN RGWTGQESLS
DSDPEMWELL QREKDRQCRG LELIASENFC SRAALEALGS CLNNKYSEGY
PGKRYYYGAE VVDEIELLCQ RRALAEAFDL PAQWGVNVQP YSGSPANLAV
YTALLQPHDR IMGLDLPDGG HLTHGYMSDV KRISATSIFF ESMFYKLNPK
TGLIDYNQLA LTARLFRPRL IIAGTSAYAR LIDYARMREV CDEVKAHLLA
DMAHISGLVA AKVIPSPFKH ADIVTTTTTHK TLRGARSGLI FYRKGKAVD
PKTGREIPYT FEDRINFAVF PSLQGGPHNH AIAAVALK QACTPMFREY
SLQVLKNARA MADALLERGY SLVSGGTDNH LVLVDLRPKG LDGARAERVL
ELVSITANKN TCPGDRSAIT PGGLRLGAPA LTSRQFREDD FRRVDFIDE
GVNIGLEVKS KTAKLQDFKS FLLKDETSQ RLANLRQRVE QFARAFMPG
FDEH
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USAGE

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

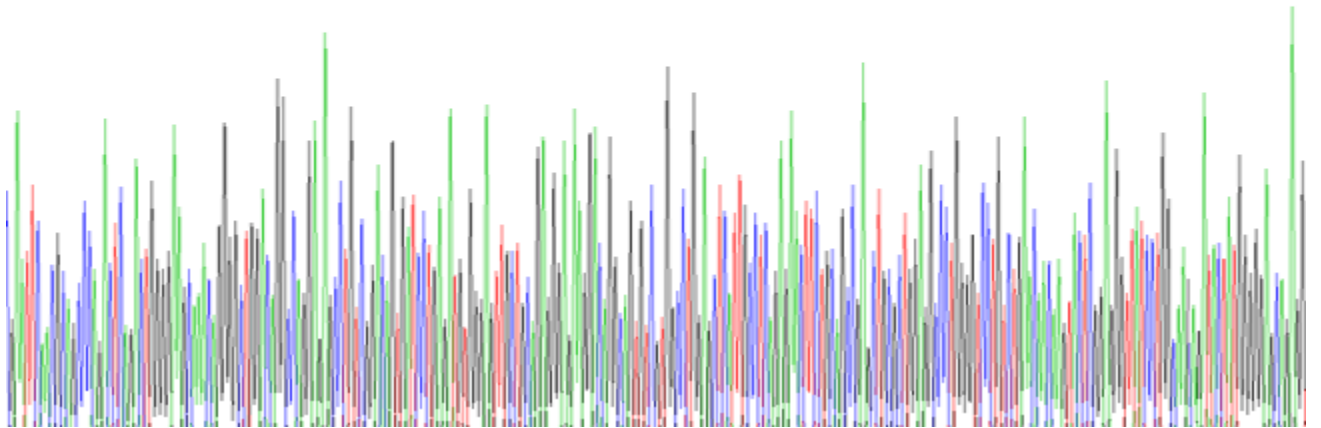
STORAGE

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



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.