

Recombinant Valyl tRNA Synthetase 2, Mitochondrial (VARs2) Instruction Manual

SIPG297Mu01

Mus musculus (Mouse)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Mitochondrion
Predicted Molecular Mass	37.3kDa
Accurate Molecular Mass	39kDa(Analysis of differences refer to the manual)
Residues & Tags	Met1~Arg295 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	9.1
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

MPHLPLASFR PPLWGLRPSW GLSRPQALCT QPEPHGSPVS RRNREAKQKR
LREKQAALEA GLAEKSKIPA VPTKAWSHKE VVLYEIPTGP GEKKDVSGPL
PPAYSPQYVE AAWYQWWVRE GFFKPEYQAR LPQATGETFS MCIPPPNVTG
SLHIGHALTV AIQDALVRWH RMRGDRVLWI PGSDHAGIAT QAMVEKQLWK
EQRVRRHELs REDFLRAVWQ WKHEKGGEIY EQLCALGASL DWDRECFTMD
AGSSAAVTEA FVRLYNSGLL YRNRQLVNWS CTLRSAISDI EVESR

USAGE

Reconstitute in 10mM PBS (pH7.4) 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

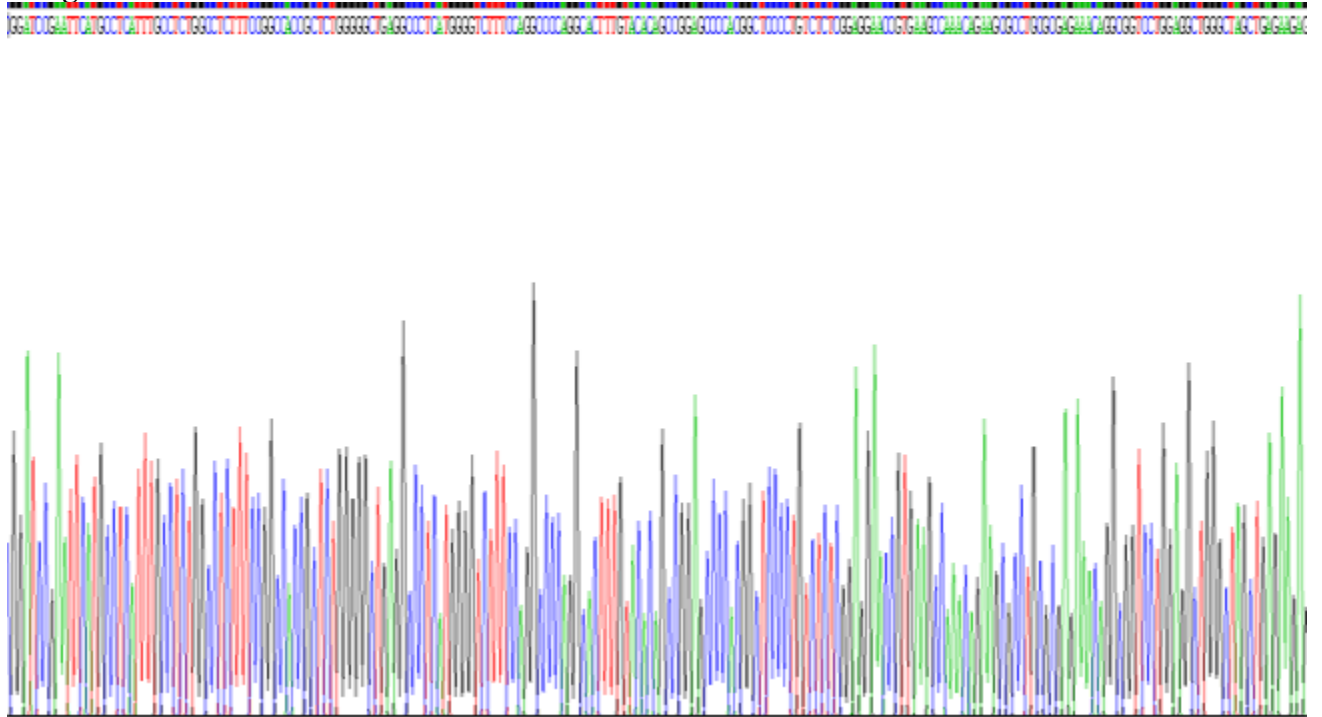


Figure. SDS-PAGE

[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.