

Recombinant Isoleucyl tRNA Synthetase 2, Mitochondrial (IARS2) Instruction Manual

SIPG692Hu01

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	38.0kDa
Accurate Molecular Mass	38kDa(Analysis of differences refer to the manual)
Residues & Tags	Gly712~Lys1012 with N-terminal His Tag
Buffer Formulation	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose.
Traits	Freeze-dried powder
Purity	> 90%
Isoelectric Point	5.1
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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GPSVLNAAR DDISKLRLNTL RLLGNVADF NPETDSIPVN DMYVIDQYML HLLQDLANKI TELYKQYDFG KVVRLLRIFY  
TRELSNFYFS IIKDRLYCEK ENDPKRRSCQ TALVEILDVI VRSFAPILPH LAEEVFQHIP YIKEPKSVFR TGWISTSSIW  
KKPGLEEAVE SACAMRDSFL GSIPGKNAAE YKVITVIEPG LLFEIIEMLQ SEETSSTS QL NELMMAEST LLAQEPREMT  
ADVIELKGF LINLEGGDIR EESSYKVIVM PTTKEKPCRC WKYTAESSDT LCPRCAEVWS GK
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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

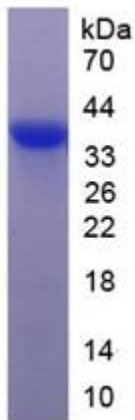


Figure. SDS-PAGE

[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.