

Recombinant Mouse Yars2 Protein, His-tagged

Cat. No. Yars2-602M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Yars2 Protein (Ala221-Leu472) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala221-Leu472
Description	This gene encodes a mitochondrial protein that catalyzes the attachment of tyrosine to tRNA(Tyr). Mutations in this gene are associated with myopathy with lactic acidosis and sideroblastic anemia type 2 (MLASA2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.2 kDa Accurate Molecular Mass: 30 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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less than 5% within the expiration date under appropriate storage condition.

Storage

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

Storage Buffer

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

Reconstitution

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

GENE INFORMATION

Gene Name

Yars2 tyrosyl-tRNA synthetase 2 (mitochondrial) [*Mus musculus* (house mouse)]

Official Symbol

Yars2

Synonyms

YARS2; tyrosyl-tRNA synthetase 2 (mitochondrial); tyrosine--tRNA ligase, mitochondrial; tyrRS; 2210023C10Rik

Gene ID

70120

mRNA Refseq

NM_198246

Protein Refseq

NP_937889

UniProt ID

Q8BYL4

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