

Recombinant Human YARS2 Protein, His-tagged

Cat. No. YARS2-601H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human YARS2 Protein (Met1-Phe219) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Phe219
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: 27.6 kDa Accurate Molecular Mass: 28 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 [Homo sapiens (human)]

Official Symbol

YARS2

Synonyms

YARS2; tyrosyl-tRNA synthetase 2, mitochondrial; tyrosine--tRNA ligase, mitochondrial; CGI 04; FLJ13995; mt TyrRS; tyrosine tRNA ligase 2; mitochondrial; tyrosine tRNA ligase 2, mitochondrial; TYRRS; CGI-04; MLASA2; MT-TYRRS

Gene ID

51067

mRNA Refseq

NM_001040436

Protein Refseq

NP_001035526

MIM

610957

UniProt ID

Q9Y2Z4

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