

Recombinant Human MARS2 Protein, His&GST-tagged

Cat. No. MARS2-1766H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MARS2 Protein (Phe370-Thr593) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe370-Thr593
Description	This gene produces a mitochondrial methionyl-tRNA synthetase protein that is encoded by the nuclear genome and imported to the mitochondrion. This protein likely functions as a monomer and is predicted to localize to the mitochondrial matrix. Mutations in this gene are associated with the autosomal recessive neurodegenerative disease spastic ataxia-3 (SPAX3).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.2 kDa Accurate Molecular Mass: 55 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

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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 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, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

MARS2 methionyl-tRNA synthetase 2, mitochondrial [Homo sapiens (human)]

Official Symbol

MARS2

Synonyms

MARS2; methionyl-tRNA synthetase 2, mitochondrial; MetRS; COXPD25; mtMetRS; methionine--tRNA ligase, mitochondrial; methionine tRNA ligase 2, mitochondrial; methionine--tRNA ligase 2; methionine-tRNA synthetase 2, mitochondrial; EC 6.1.1.10

Gene ID

92935

mRNA Refseq

NM_138395

Protein Refseq

NP_612404

MIM

609728

UniProt ID

Q96GW9

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