

Recombinant Rat Dars2 Protein, His-tagged

Cat. No. Dars2-1314R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Dars2 Protein (Gly442-Ser652) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Gly442-Ser652
Description	Predicted to enable aspartate-tRNA ligase activity; aspartate-tRNA(Asn) ligase activity; and protein homodimerization activity. Predicted to be involved in aspartyl-tRNA aminoacylation and mitochondrial asparaginyl-tRNA aminoacylation. Predicted to be located in nucleoplasm. Predicted to be active in mitochondrion. Orthologous to human DARS2 (aspartyl-tRNA synthetase 2, mitochondrial).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 27.1 kDa Accurate Molecular Mass: 27 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

Dars2 aspartyl-tRNA synthetase 2 (mitochondrial) [*Rattus norvegicus* (Norway rat)]

Official Symbol

Dars2

Synonyms

DARS2; aspartyl-tRNA synthetase 2 (mitochondrial); aspartate--tRNA ligase, mitochondrial; aspRS; aspartyl-tRNA synthetase, mitochondrial; RGD1308286; MGC124683;

Gene ID

304919

mRNA Refseq

NM_001034143

Protein Refseq

NP_001029315

UniProt ID

Q3KRD0

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