

## Recombinant Rat Dars2 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Dars2 Protein (Gly442-Ser652) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly442-Ser652
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 27.1 kDa Accurate Molecular Mass: 27 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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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