

Recombinant Mouse Pars2 Protein, His-tagged

Cat. No. Pars2-1901M Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Mouse Pars2 Protein (Ala229-Val475) with N-His tag was expressed in E. coli. |
| Species | Mouse |
| Source | E.coli |
| ProteinLength | Ala229-Val475 |
| Description | Predicted to enable proline-tRNA ligase activity. Predicted to be involved in prolyl-tRNA aminoacylation. Predicted to act upstream of or within translation. Located in mitochondrion. Is expressed in adrenal gland and gland. Human ortholog(s) of this gene implicated in developmental and epileptic encephalopathy 75. Orthologous to human PARS2 (prolyl-tRNA synthetase 2, mitochondrial). |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 31 kDa Accurate Molecular Mass: 33 kDa |
| Purity | > 95% |
| 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

[Pars2 prolyl-tRNA synthetase \(mitochondrial\)\(putative\) \[Mus musculus \(house mouse\) \]](#)

Official Symbol

[Pars2](#)

Synonyms

PARS2; prolyl-tRNA synthetase (mitochondrial)(putative); probable proline--tRNA ligase, mitochondrial; proRS; proline--tRNA ligase; class II tRNA synthetase; probable prolyl-tRNA synthetase, mitochondrial; BC027073; RP23-9707.3; MGC47008;

Gene ID

[230577](#)

mRNA Refseq

[NM_001083887](#)

Protein Refseq

[NP_001077356](#)

UniProt ID

[Q8CFI5](#)

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