

Recombinant Mouse Dars2 Protein, His-tagged

Cat. No. Dars2-1313M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dars2 Protein (Ala390-Ser653) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ala390-Ser653
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 act upstream of or within translation. Located in mitochondrion. Is expressed in several structures, including alimentary system; genitourinary system; integumental system; midbrain; and telencephalon. Orthologous to human DARS2 (aspartyl-tRNA synthetase 2, mitochondrial).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.4 kDa Accurate Molecular Mass: 33 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 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) [Mus musculus (house mouse)]
Official Symbol	Dars2
Synonyms	DARS2; aspartyl-tRNA synthetase 2 (mitochondrial); aspartate--tRNA ligase, mitochondrial; aspRS; aspartyl-tRNA synthetase, mitochondrial; 5830468K18Rik; MGC99963;
Gene ID	226539
mRNA Refseq	NM_172644
Protein Refseq	NP_766232
UniProt ID	Q8BIP0

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