

## Recombinant Rat Aars2, His-tagged

**Cat. No.** Aars2-3251R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Alanine--tRNA ligase, mitochondrial (Aars2)
<b>Species</b>	Rat
<b>Source</b>	E.Coli/Yeast
<b>ProteinLength</b>	985
<b>Form</b>	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
<b>Purity</b>	>90%
<b>Notes</b>	Small volumes of Aars2 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
<b>Storage</b>	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
<b>Storage Buffer</b>	PBS pH 7.4, 50% glycerol
<b>Warning</b>	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

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## GENE INFORMATION

<b>Gene Name</b>	<i>Aars2</i> alanyl-tRNA synthetase 2, mitochondrial (putative) [ <i>Rattus norvegicus</i> ]
<b>Official Symbol</b>	Aars2
<b>Synonyms</b>	AARS2; alanyl-tRNA synthetase 2, mitochondrial (putative); alanine--tRNA ligase, mitochondrial; alanyl-tRNA synthetase like; alanyl-tRNA synthetase, mitochondrial; probable alanyl-tRNA synthetase, mitochondrial; Aarsl; AlaRS;
<b>Gene ID</b>	301254
<b>mRNA Refseq</b>	NM_001106891
<b>Protein Refseq</b>	NP_001100361
<b>Pathway</b>	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Gene Expression
<b>Function</b>	ATP binding; alanine-tRNA ligase activity; ligase activity; metal ion binding; nucleic acid binding; nucleotide binding; tRNA binding;

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