

## Recombinant Human AARS2 Protein, MYC/DDK-tagged

Cat. No. AARS2-240H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human AARS2 protein, fused to MYC/DDK tag at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	The protein encoded by this gene belongs to the class-II aminoacyl-tRNA synthetase family. Aminoacyl-tRNA synthetases play critical roles in mRNA translation by charging tRNAs with their cognate amino acids. The encoded protein is a mitochondrial enzyme that specifically aminoacylates alanyl-tRNA. Mutations in this gene are a cause of combined oxidative phosphorylation deficiency 8. [provided by RefSeq, Dec 2011].
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
<b>Molecular Mass</b>	107.1 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">alanyl-tRNA synthetase 2, mitochondrial [ Homo sapiens ]</a>
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<b>Official Symbol</b>	AARS2
<b>Synonyms</b>	AARSL; COXPD8; LKENP; MT-ALARS; MTALARS
<b>Gene ID</b>	57505
<b>mRNA Refseq</b>	NM_020745.3
<b>Protein Refseq</b>	NP_065796.1
<b>MIM</b>	612035
<b>UniProt ID</b>	Q5JTZ9

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