

## AARS2 抗原（重组蛋白）

中文名称：AARS2 抗原（重组蛋白）

英文名称：AARS2 Antigen (Recombinant Protein)

储存：冷冻（-20℃）

相关类别：抗原

概述

Fusion protein corresponding to a region derived from 686-985 amino acids of human AARS2

技术规格

<b>Full name:</b>	Alanyl-tRNA synthetase 2, mitochondrial
<b>Synonyms:</b>	AARSL; COXPD8; MTALARS; MT-ALARS
<b>Swissprot:</b>	Q5JTZ9
<b>Gene Accession:</b>	BC131728
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</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. Catalyzes the attachment of alanine to tRNA(Ala) in a two-step reaction: alanine is first activated by ATP to form Ala-AMP and then transferred to the acceptor end of tRNA(Ala). Also edits incorrectly charged tRNA(Ala) via its editing domain