

Recombinant Human AARS2

Catalog No: #GP10142



Package Size: #GP10142-1 100ug

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Description

Product Name	Recombinant Human AARS2
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 686-985 amino acids of human alanyl-tRNA synthetase 2, mitochondrial
Target Name	Alanyl-tRNA synthetase 2, mitochondrial
Other Names	AARSL; COXPD8; MTALARS; MT-ALARS
Accession No.	Swissprot:Q5J TZ9Gene Accession:BC131728
Uniprot	Q5J TZ9
GenID	57505;
Storage	-20~-80°C, pH 7.6 PBS

Background

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

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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