

Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial

Catalog No: #AP79057

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Package Size: #AP79057-1 50ug #AP79057-2 100ug #AP79057-3 1mg

Description

Product Name	Delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Human
Immunogen Description	Recombinant Protein
Other Names	ALDH4,P5CDH,Aldehyde dehydrogenase family 4 member A1,L-glutamate gamma-semialdehyde dehydrogenase
Accession No.	P30038Gene name:ALDH4A1
Uniprot	P30038
GeneID	8659;
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole,10%glycerol(PH8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.)Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Irreversible conversion of delta-1-pyrroline-5-carboxylate (P5C), derived either from proline or ornithine, to glutamate. This is a necessary step in the pathway interconnecting the urea and tricarboxylic acid cycles. The preferred substrate is glutamic gamma-semialdehyde, other substrates include succinic, glutaric and adipic semialdehydes.

References

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Note: This product is for in vitro research use only