

Recombinant human NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2

Catalog No: #AP71799

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #AP71799-1 20ug #AP71799-2 100ug #AP71799-3 1mg

Description

Product Name	Recombinant human NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 2
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:4-99aaSequence Info:Partial
Other Names	Complex I-B8 ;CI-B8NADH-ubiquinone oxidoreductase B8 subunit
Accession No.	O43678
Uniprot	O43678
GeneID	4695;
Calculated MW	37.6 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	AAASRGV GAKLGLREIRIHL CQRSPG SQGV RDFIEKRYVELKKANPDLPI LIRECSDVQP K LWARYAFGQETNV PLN NFSADQVTRALE NVLSGKA
Formulation	Tris-based buffer 50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C, -80°C. The shelf life of lyophilized form is 12 months at -20°C, -80°C. Notes: Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Accessory subunit of the mitochondrial mbrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

References

Identification and primary structure of five human NADH-ubiquinone oxidoreductase subunits. Ton C., Hwang D.M., Dempsey A.A., Liew C.-C. Biochem. Biophys. Res. Commun. 241:589-594(1997) Research Topic: Transport

Note: This product is for in vitro research use only