

# Recombinant human NADH dehydrogenase [ubiquinone] iron-sulfur protein 5

Catalog No: #AP71787

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Package Size: #AP71787-1 20ug #AP71787-2 100ug #AP71787-3 1mg

## Description

Product Name	Recombinant human NADH dehydrogenase [ubiquinone] iron-sulfur protein 5
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:2-106aaSequence Info:Full Length
Other Names	Complex I-15KDA ;CI-15KDANADH-ubiquinone oxidoreductase 15KDA subunit
Accession No.	O43920
Uniprot	O43920
GeneID	4725;
Calculated MW	39.4 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	PFLDIQKRFGLNIDRWLTIQSGEQPYKMAGRCHAFEFKEWIECAHGIGYTRAEKECKIEYDDFVECLLRQKTMR RAGTIRKQRDKLIKEGKYTPPHHIGKGEPRP
Formulation	Tris-based buffer50% 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

The subunit composition of the human NADH dehydrogenase obtained by rapid one-step immunopurification.Murray J., Zhang B., Taylor S.W., Oglesbee D., Fahy E., Marusich M.F., Ghosh S.S., Capaldi R.A.J. Biol. Chem. 278:13619-13622(2003)Research Topic:Transport

Note: This product is for in vitro research use only