

Recombinant Human ND4 protein ab116897

1 图像

描述	
产品名称	重组人ND4蛋白
表达系统	Wheat germ
Accession	P03905
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	YSLYIFTTTQWGLTHHINNIKPSFTRENTLMFIHLSPILL SLNPDIIIT GFSS
预测分子量	32 kDa including tags
氨基酸	406 to 459

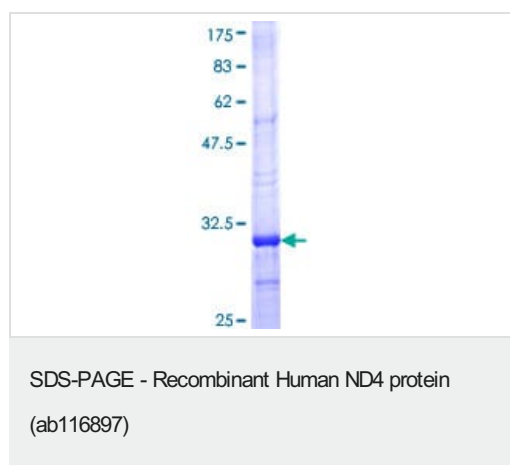
技术指标	
Our Abpromise guarantee covers the use of ab116897 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	SDS-PAGE ELISA Western blot
形式	Liquid
补充说明	This product was previously labelled as NADH dehydrogenase subunit 4.

制备和贮存	
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

常规信息

功能	Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for 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.
疾病相关	<p>Defects in MT-ND4 are a cause of Leber hereditary optic neuropathy (LHON) [MIM:535000]. LHON is a maternally inherited disease resulting in acute or subacute loss of central vision, due to optic nerve dysfunction. Cardiac conduction defects and neurological defects have also been described in some patients. LHON results from primary mitochondrial DNA mutations affecting the respiratory chain complexes.</p> <p>Defects in MT-ND4 are a cause of Leber hereditary optic neuropathy with dystonia (LDYT) [MIM:500001]; also called familial dystonia with visual failure and striatal lucencies. LDYT is part of a spectrum of Leber hereditary optic neuropathy. It is characterized by the association of optic atrophy and central vision loss with dystonia.</p> <p>Defects in MT-ND4 are a cause of mitochondrial encephalomyopathy with lactic acidosis and stroke-like episodes syndrome (MELAS) [MIM:540000]. MELAS is a genetically heterogeneous disorder, characterized by episodic vomiting, seizures, and recurrent cerebral insults resembling strokes and causing hemiparesis, hemianopsia, or cortical blindness.</p>
序列相似性	Belongs to the complex I subunit 4 family.
细胞定位	Mitochondrion membrane.

图片



12.5% SDS-PAGE showing ab116897 at approximately 31.57kDa and stained with Coomassie Blue.

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