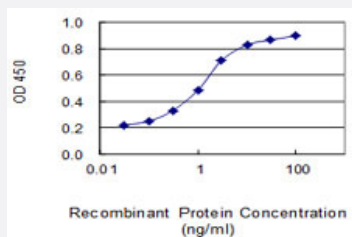


# NDUFA4 monoclonal antibody (M05), clone 2G7

Catalog # H00004697-M05

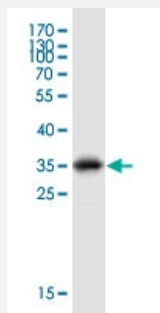
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NDUFA4 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.8 KDa) .

## Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant NDUFA4.
Immunogen	NDUFA4 (NP_002480.1, 1 a.a. ~ 81 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MLRQIIGQAKKHPSLIPLFVFIGTGATGATLYLLRLALFNPDVCWDRNNPEPWNLGPNDQYKFYS VNVDYSKLKKERPDF
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (88); Rat (88)
Isotype	IgG1 Lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.8 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged NDUFA4 is 0.03 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — NDUFA4

Entrez GeneID	<a href="#">4697</a>
GeneBank Accession#	<a href="#">NM_002489.2</a>
Protein Accession#	<a href="#">NP_002480.1</a>
Gene Name	NDUFA4
Gene Alias	CHMLRQ, FLJ27440, MGC104422, MGC126843, MGC126845, MLRQ
Gene Description	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4, 9kDa
Omim ID	<a href="#">603833</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

The protein encoded by this gene belongs to the complex I 9kDa subunit family. Mammalian complex I of mitochondrial respiratory chain is composed of 45 different subunits. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. [provided by RefSeq]

**Other Designations**

NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 4 (9kD, MLRQ)|NADH-ubiquinone oxidoreductase MLRQ subunit

## Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)