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## Datasheet for ABIN7319101

# **MECR Protein (His tag)**

Go to Product page

#### Overview

Quantity:	50 μg
Target:	MECR
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MECR protein is labelled with His tag.

## **Product Details**

Purpose:	Recombinant Human MECR Protein (His Tag)
Sequence:	Pro54-Met373
Characteristics:	Recombinant Human Trans-2-Enoyl-CoA Reductase Mitochondrial is produced by our Mammalian expression system and the target gene encoding Pro54-Met373 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## **Target Details**

Target:	MECR
Alternative Name:	MECR (MECR Products)
Background:	Background: Trans-2-Enoyl-CoA Reductase Mitochondrial (MECR) belongs to the zinc-
	containing alcohol dehydrogenase family. MECR localizes to the mitochondrion. It is highly

#### **Target Details**

expressed in skeletal and heart muscle and expressed at lower levels in the placenta, liver, kidney and pancreas, with weakly or no expression in the lung. MECR exists as a homodimer, which catalyzes the reduction of trans-2-enoyl-CoA to acyl-CoA with chain length from C6 to C16 in an NADPH-dependent manner with preference to medium chain length substrate. MECR may take part in the mitochondrial synthesis of fatty acids.

Synonym: Trans-2-Enoyl-CoA Reductase Mitochondrial, Nuclear Receptor-Binding Factor 1,

HsNrbf-1NRBF-1, MECR, NBRF1

Molecular Weight: 35.7 kDa

UniProt: Q9BV79

### **Application Details**

Restrictions: For Research Use only

#### Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
	Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted
	samples are stable at < -20°C for 3 months.