

## Product datasheet for **TP726939**

### Human Recombinant Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant Human Trans-2-Enoyl-CoA Reductase Mitochondrial/MECR (C-6His)
<b>Species:</b>	Human
<b>Expression cDNA Clone or AA Sequence:</b>	Pro54-Met373
<b>Tag:</b>	C-His
<b>Buffer:</b>	Lyophilized from a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Note:</b>	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.
<b>Storage:</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Stability:</b>	12 months from date of despatch
<b>Synonyms:</b>	Trans-2-Enoyl-CoA Reductase Mitochondrial; Nuclear Receptor-Binding Factor 1; HsNrnf-1NRBF-1; MECR; NBRF1
<b>Summary:</b>	Trans-2-Enoyl-CoA Reductase Mitochondrial (MECR) belongs to the zinc-containing alcohol dehydrogenase family. MECR localizes to the mitochondrion. It is highly 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.



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