

## Recombinant Human MECR protein, GST-tagged

Cat. No. MECR-1825H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human MECR protein(1-310 aa), fused to GST tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-310 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH.
<b>AA Sequence</b>	MRPLQIVPSRLISQLYCGLKPPASTRNQICLKMARPSSSMADFRKFFAKAKHIVIISGA GVSAESGVPTFRGAGGYWRKWQAQDLATPLAFAHNPSRVWEFYHYRREVMGSKE PNAGHRAIAECETRLGKQGRRVVVITQNIDELHRKAGTKNLLEIHGSLFKTRCTSCGV VAENYKSPICPALSGKGAPEPGTQDASIPVEKLP RCEEAGCGLLRPHVWVWFGENL DPAILEEVDRELAHCDLCLVVGTSVVYPAAMFAPQVAARGVPVAEFNTETTPATNR FRFHFQGPCGTTLPEALACHENETVS
<b>Purity</b>	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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cycles.

**Reconstitution**

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.  
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name**

MECR mitochondrial trans-2-enoyl-CoA reductase [ Homo sapiens ]

**Official Symbol**

MECR

**Synonyms**

MECR; mitochondrial trans-2-enoyl-CoA reductase; trans-2-enoyl-CoA reductase, mitochondrial; CGI 63; FASN2B; mitochondrial 2 enoyl thioester reductase; NRBF1; nuclear receptor binding factor 1; NRBF-1; hsNrbf-1; nuclear receptor-binding factor 1; mitochondrial 2-enoyl thioester reductase; homolog of yeast 2-enoyl thioester reductase; CGI-63;

**Gene ID**

51102

**mRNA Refseq**

NM\_001024732

**Protein Refseq**

NP\_001019903

**MIM**

608205

**UniProt ID**

Q9BV79

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