

**MECR, 54-373aa, Human, His tag, E.coli**

**Cat.NO.: TP02938**

3th Edition

**Synonyms:**Trans-2-enoyl-CoA reductase, mitochondrial, NRBF1, CGI-63, FASN2B

**Description:**MECR(Mitochondrial trans-2-enoyl-CoA reductase), also known as NRBF1, 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. This protein has a role in the mitochondrial synthesis of fatty acids. Recombinant human MECR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 0.2M NaCl,5mM DTT, 20% glycerol

**Molecular Weight:**36.9 kDa (341aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMPAKVVELKNLELAAVRGSDVRVKMLAAPINPSDINMIQGNYGLLPELPAVGGNE  
GVAQVVAVGNSVTGLKPGDWVIPANAGLGTWRTEAVFSEEALIQVPSDIPLQSAATLGVNPCTAYRMLMDFEQLQ  
PGDSVIQNASNSGVGQAVIQIAAALGLRTINVVRDRPDIQKLSDRKSLGAEHVITEEELRRPEMKNFFKDMPQPR  
ALNCVGGKSSTELLRQLARGGTMVTYGGMAKQPVVASVLLIFKDLKLRGFWLSQWKKDHSPDQFKELILTLCDLI  
RRGQLTAPACSQVPLQDYQSALEASMKPFISSKQILTM

**Purity:**> 95% by HPLC

**Concentration:**0.25 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.