

## MECR Human

**Description:**MECR Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 341 amino acids (54-373 a.a.) and having a molecular mass of 49.8 kDa. The MECR is fused to 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:ENPS-540

For research use only.

**Synonyms:**NRBF1, CGI-63, FASN2B, EC 1.3.1.38, MECR, Mitochondrial Trans-2-Enoyl-CoA Reductase.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MPAKVVELKN LELAAVRGSD  
VRVKMLAAPI NPSDINMIQG NYGLLPELPA VGGNEGVAQV VAVGSNVTGL KPGDWVIPAN  
AGLGTWRTEA VFSEEALIQV PSDIPLQSAA TLGVNPCTAY RMLMDFEQLQ PGDSVIQNAS  
NSGVGQAVIQ IAAALGLRTI NVVRDRPDIQ KLSDRLKSLG AEHVITEEEL RRPENKNFFK  
DMPQRLALN CV

**Purity:**Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

MECR Human solution containing 20mM Tris pH-8, 0.2M NaCl, 5mM DTT & 20% glycerol.

**Stability:**

MECR Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

MECR 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 protein takes part in the mitochondrial synthesis of fatty acids.

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