

# Product Data Sheet

## Recombinant Human MECR Protein

Catalog #	Source	Reactivity	Applications
CRP1952	Human cells	Human	E, WB, SDS-PAGE, MS
<b>Description</b>	Recombinant Human MECR Protein 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>Form</b>	Lyophilized from a 0.2 µM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
<b>Gene Symbol</b>	MECR		
<b>Alternative Names</b>	NBRF1; Trans-2-enoyl-CoA reductase mitochondrial; Nuclear receptor-binding factor 1; HsNrnf-1; NRBF-1		
<b>Entrez Gene</b>	51102 (Human)		
<b>SwissProt</b>	Q9BV79 (Human)		
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.		
<b>Chemical Structure</b>	PAKVVELKNL ELAAVRGSDV RVKMLAAPIN PSDINMIQGN YGLPELPAV GGNEGVAQVV AVGSNVTGLK PGDWVIPANA GLGTWRTEAV FSEELIQVP SDIPLQSAAT LGVNPCTAYR MLMDFEQLQP GDSVIQNASN SGVGQAVIQI AAALGLRTIN VVRDRPDQK LSDRLKSLGA EHVITEEELR RPEMKNFFKD MPQRLALNC VGGKSSTELL RQLARGGTMV TYGGMAKQPV VASVLLIFK DLKLRGFWLS QWKKDHSPDQ FKELILTLCD LIRRGQLTAP ACSQVPLQDY QSALEASMKP FISSKQILTM VDHSHHHHH		
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.		
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.		

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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## Product Data Sheet

### Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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