

Product datasheet for PH324634

MECR (NM_016011) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	MECR MS Standard C13 and N15-labeled recombinant protein (NP_057095)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224634
Predicted MW:	40.4 kDa
Protein Sequence:	>RC224634 protein sequence Red=Cloning site Green=Tags(s)

MWVCSTLWRVRTPARQWRGLLPASGCHGPAASSYSASAEPARVRALVYGHGDPKAVVELKNLELAAVRG
SDVRVKMLAAPINPSDINMIQGNYGLLPELPAVGGNEGVAQVVAVGSNVTGLKPGDWVIPANAGLGTWRT
EAVFSEEALIQVPSDIPLQSAATLGVNPCTAYRMLMDFEQLQPGDSVIQNASNSGVGQAVIQIAAALGLR
TINVVRDRPDIQKLSDRLKSLGAEHVITEEELRRPEMKNFFKDMQPRLALNCVGGKSSTELLRQLARGG
TMVTYGGMAKQPVVASVLLIFKDLKLRGFWLSQWKKDHSPDQFKELILTLCDLIRRGQLTAPACSQVPL
QDYQSALEASMKPFISSKQILTM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_057095</u>
RefSeq Size:	2539
RefSeq ORF:	1119
Synonyms:	CGI-63; DYTOABG; ETR1; FASN2B; NRBF1
Locus ID:	51102



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UniProt ID: [Q9BV79](#)

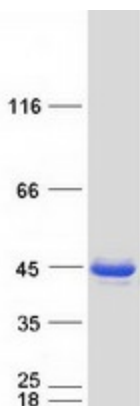
Cytogenetics: 1p35.3

Summary: The protein encoded by this gene is an oxidoreductase that catalyzes the last step in mitochondrial fatty acid synthesis. Defects in this gene are a cause of childhood-onset dystonia and optic atrophy. [provided by RefSeq, Mar 2017]

Protein Families: Druggable Genome

Protein Pathways: Fatty acid elongation in mitochondria, Metabolic pathways

Product images:



Coomassie blue staining of purified MECR protein (Cat# [TP324634]). The protein was produced from HEK293T cells transfected with MECR cDNA clone (Cat# [RC224634]) using MegaTran 2.0 (Cat# [TT210002]).