

Product datasheet for PH306820

ME1 (NM_002395) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ME1 MS Standard C13 and N15-labeled recombinant protein (NP_002386)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206820
Predicted MW:	64.1 kDa
Protein Sequence:	>RC206820 protein sequence Red=Cloning site Green=Tags(s)

MEPEAPRRRHTRHQRGYLLTRNPHLNKDLAFTLEERQQLNIHGLLPPSFNSQEIQVLRVVKNFHEHLNSDFD
RYLLMLDLQDRNEKLFYRVLTSDIEKFMPIVYTPVGLACQQYSLVFRKPRGLFITIHDRGHASVLNAW
PEDVIKAIVVTDGERILGLGDLGCNGMIPVIGLALYACGGMNPQECLPVILDVGTENEELLKDPLYIG
LRQRRVRGSEYDDFLDEFMEAVSSKYGMNCLIQFEDFANVNAFRLLNKYRNQYCTFNDDIQGTASVAVAG
LLAALRITKNKLSQDQILFQGAGEAALGIAHLIVMALEKEGLPKEKAIKKIWLVDKGLIVKGRASLTQE
KEKFAHEHEEMKNLEAIVQEIKPTALIGVAAIGGAFSEQILKDMAAFNERPIIFALSNTSKAECSAEQC
YKITKGRAIFASGSPFDPVTLPNGQTLYPGQGNNSYVFPVGVACGLRQITDNIFLTTAEVIAQQVS
DKHLEEGRLYPPLNTRIDVSLKIAEKIVKDAYQEKTATVYPEPQNKEAFVRSQMYSTDYDQILPDCYSWP
EEVQKIQTQKVDQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	NP_002386
RefSeq Size:	3519
RefSeq ORF:	1716



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Synonyms: HUMNDME; MES

Locus ID: 4199

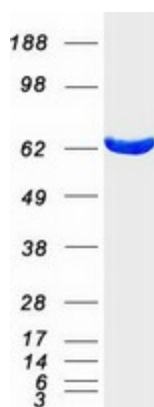
UniProt ID: [P48163](#)

Cytogenetics: 6q14.2

Summary: This gene encodes a cytosolic, NADP-dependent enzyme that generates NADPH for fatty acid biosynthesis. The activity of this enzyme, the reversible oxidative decarboxylation of malate, links the glycolytic and citric acid cycles. The regulation of expression for this gene is complex. Increased expression can result from elevated levels of thyroid hormones or by higher proportions of carbohydrates in the diet. [provided by RefSeq, Jul 2008]

Protein Pathways: Metabolic pathways, PPAR signaling pathway, Pyruvate metabolism

Product images:



Coomassie blue staining of purified ME1 protein (Cat# [TP306820]). The protein was produced from HEK293T cells transfected with ME1 cDNA clone (Cat# [RC206820]) using MegaTran 2.0 (Cat# [TT210002]).