

Product datasheet for **TP306820**

ME1 (NM_002395) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human malic enzyme 1, NADP(+)-dependent, cytosolic (ME1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC206820 protein sequence Red =Cloning site Green =Tags(s)

MEPEAPRRRHTHQRGYLLTRNPHLNKDLAFTLEERQQLNIHGLLPPSFNSQEIQVLRVVKNF EHLNSDFD
RYLLLMDLQDRNEKLFYRVLTSDIEKFMPIVYTPVGLACQQYSLVFRKPRGLFITIHDRGHIASVLNAW
PEDVIKAIIVTDGERILGLGDLGCNGMGIPVVGKALYACGGMNPQECLPVILDVGTENEELLKDPLYIG
LRQRRVRGSEYDDFLDEFMEAVSSKYGMNCLIQFEDFANVNAFRLLNKYRNQYCTFNDDIQGTASVAVAG
LLAALRITKNKLSAQITILFQGAGEAALGIAHLIVMALEKEGLPKEKAIKKIWLVDKGLIVKGRASLTQE
KEKFAHEHEEMKNLEAIVQEIKPTALIGVAAIGGAFSEQILKDMAAFNERPIIFALSNPSTKAECSAEQC
YKITKGRAIFASGSPFDPVTLPNGQTLYPGQGNNSYVFPGVAGLVACGLRQITDNIFLTTAEVIAQQVS
DKHLEEGRLYPPLNTIRDVSLKIAEKIVKDAYQEKTATVYPEPQNKEAFVRSQMYSTDYDQILPDCYSWP
EEVQKIQTQVDQ

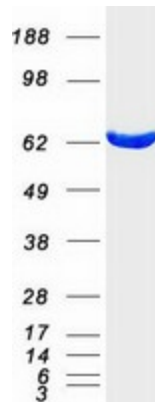
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	64 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002386
Locus ID:	4199
UniProt ID:	P48163
RefSeq Size:	3519
Cytogenetics:	6q14.2
RefSeq ORF:	1716
Synonyms:	HUMNDME; MES
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]).