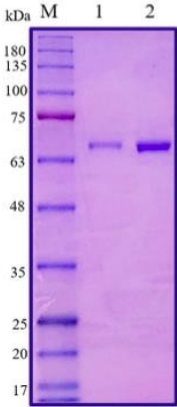


Product Name	Recombinant Human ME3
Sizes	10 µg, 25 µg, 100 µg, 500 µg, 1.0 mg
Synonym(s)	NADP-dependent malic enzyme, mitochondrial; NADP-ME; Malic enzyme 3
Species	Human
UniProt Consortium	Q16798
Introduction	ME3 is another isoform of malic enzyme that is found in various tissues in the human body. This gene encodes a mitochondrial NADP(+)-dependent isoform. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined. Its exact biochemical significance may vary depending on the tissue or cell type in which it is expressed.
Amino Acid Sequence	MTPTAPAQGCHSKPGPARPVPLKRGYDVTRNPHLNKGMAFTLEE RLQLGIHGLIPPCFLSQDVQLLRIMRYERQQSDLDKYIILMTLQDRN EKLFRVLTSDVEKFMPIVYPTVGLACQHYGLTFRRPRGLFITIHDK GHLATMLNSWPEDNIKAVVVTGGERILGLGDLGCYGMGIPVGKLAL YTACGGVNPQQCLPVLLDVGTNNEELLRDPLYIGLKHQRVHGKAY DDLDEFMQAVTDKFGINLIQFEDFANANAFRLLNKYRNKYCMFN DDIQGTASVAVAGILAAALRITKNKLSNHVVFVQGAGEAAMGIAHLLV MALEKEGVPKAEATRKIWMVDSKGLIVKGRSHLNHEKEMFAQDHP EVNSLEEVRLVKPTAIGVAAIAGAFTEQILRDMASFHERPIIFALSN PTSKAECTAEKCYRVTEGRGIFASGSPFKSVTLEDGKTFIPGQGNN AYVFPGVALGVIAGGIRHIPDEIFLLTAEQIAQEVSEQHLSQGRLYPP LSTIRDVSLRIAIVLDYAYKHNLASYYPEPKDKEAFVRSLVYTPDYD SFTLDSYTPKEAMNVQTVLEHHHHHH
Tag	His tag C-terminus
Expression source	<i>E. coli</i>
MW	65.7 kD
Purity	>95% on SDS PAGE
Formulation	30 mM Tris pH 7.4; 500 mM NaCl; 10% glycerol; 3 mM MgCl ₂ ; 5 mM beta-mercaptoethanol; 1 mM PMSF; 1 mM Benzamidine
Presentation	Clear solution in 30 mM Tris, pH7.4, 150 mM NaCl, 40% Glycerol, 5 mM DTT
Shipping	Shipped on dry ice.

Storage/stability	Upon delivery aliquot and store at -80 °C. Avoid multiple freeze-thaw cycles. The protein is stable for 12 months at -80 °C, for 2-4 weeks at 4°C.
Application	Protein binding assay, small molecule inhibitor screening, substrate of kinase, antigen, ELISA, Western blot, crystallization and co-crystallization studies.
ME3 Protein Image	 <p>Figure 1. SDS-PAGE analysis of hME3</p> <p>M: <u>RunBlue Prestained Marker</u></p> <ol style="list-style-type: none"> 0.5 ug hME3 1 ug hME3

Quality guaranteed with technical support

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