

RPPB1933

Product Information Protein Information

Product SKU:

RPPB1933

Accession:

P23368

Host:

Escherichia Coli.

Protein description:

ME2 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 573 amino acids and having a total molecular mass of 64.4kDa. ME2 is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Malic enzyme 2 NAD(+)-dependent mitochondrial, NAD-ME, ODS1, Malate Dehydrogenase, NAD-dependent malic enzyme mitochondrial, pyruvic-malic carboxylase, Malic enzyme 2, EC 1.1.1.38, EC 1.1.1.1.

Formulation:

The protein was Lyophilized from a 0.2µm filtered concentrated solution in 20mM Tris, 150mM NaCl, 1mM b-mercaptoethanol, 1mM EDTA, pH8.0.

Purity:

Greater than 95.0% as determined by(a) Analysis by HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized ME2 in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized ME2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution ME2 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MLHIKEKKGKPLMLNPRTNKGMAFTLQERQMLGLQGLLPPKIETQDIQALRFHRNLKMKMTSPLEKYIYIMGIQERNEK
LFYRILQDDIESLMPVYPTVGLACSQYGHIFRRPKGLFISISDRGHVRSIVDNWPENHVKAVVWTDGERILGLGDLG
VYGMGIPVGKLCLYTACAGIRPDRCLPVCIDVGTDNIALLKDPFYMGLYQKRDRTQQYDDLIDEFMKAITDRYGRNT
LIQFEDFGNHNAFRFLRKYREKYCTFNDDIQGTAVALAGLLAAQKVISKPISEHKILFLGAGEAALGIANLIVMSMVE
NGLSEQEAQKKIWMFDKYGLLVKGRKAKIDSYPFTHSAPESIPDTFEDAVNILKPSTIIGVAGAGRLFTPDVIRAM
ASINERPVIFALSNPQAQAECTAEEAYLTTEGRCLFASGSPFGPVKLT DGRVFTPGQGNVYIFPGVALAVILCNTRHI
SDSVFLEAAKALTSQTLDEELAQGRLYPPLANIQEVINSINIAIKVTEYLYANKMAFRYPEPEDKAKYVKERTWRSEYDSL
LPDVYEWPEASSPPVITEHHHHHHH.