

Recombinant Human ME2 Protein, C-6×His tagged

Cat. No. ME2-19H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ME2 Protein with C-6×His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Enables cytokine activity and growth factor activity. Acts upstream of or within several processes, including animal organ development; generation of neurons; and positive regulation of macromolecule metabolic process. Located in extracellular space. Is expressed in several structures, including alimentary system; central nervous system; cranium; early conceptus; and female reproductive system. Orthologous to human LIF (LIF interleukin 6 family cytokine).
Molecular Mass	64.4 KD
AA Sequence	MIKEKGKPLMLNPRTNKGMAFTLQERQMLGLQGGLPPKIETQDIQALRFHRNLKKMT SPLEKYIYIMGIQERNEKLFYRILQDDIESLMPIVYTPTVGLACSQYGHIFRRPKGLFISI SDRGHVRSIVDNWPENHVKAVVVDGERILGLGDLGVYGMGIPVGKLCCLYTACAGIR PDRCLPVCIDVGTDNIALLKDPFYMGLYQKRDRTQQYDDLIDEFMKAITDRYGRNTLI QFEDFGNHNNAFRFLRKYREKYCTFNDDIQGTAVALAGLLAAQKVISKPISEHKILFL GAGEAALGIANLIVMSMVENGLSEQEAQKKIWMFDKYGLLVKGRKAKIDSYQEPFTH SAPESIPDTFEDAVNILKPSTIIGVAGAGRLFTPDVIRAMASINERPVIFALSNPTAQAE CTAEAYTLTEGRCLFASGSPFGPVKLTDRGVFTPGQGNNVYIFPGVALAVILCNTR HISDSVFLEAAKALTSQLTDEELAQGRLYPPLANIQEVSINIAIKVTEYLYANKMAFRY

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	PEPEDKAKYVKERTWRSEYDSLLPDVYEWPEASASSPPVITELEHHHHHH
Purity	> 95% by SDS-PAGE
Usage	Protein binding assay, small molecule inhibitor screening, substrate of kinase, antigen, ELISA, Western blot, crystallization and co- crystallization studies.
Storage	Upon delivery aliquot and store at -80 centigrade. Avoid multiple freeze-thaw cycles. The protein is stable for 12 months at -80 centigrade, for 2-4 weeks at 4 centigrade.
Storage Buffer	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
Reconstitution	Clear solution in 30 mM Tris, pH7.4, 150 mM NaCl, 40% Glycerol, 5 mM DTT

GENE INFORMATION

Gene Name	ME2 malic enzyme 2, NAD(+)-dependent, mitochondrial [Homo sapiens (human)]
Official Symbol	ME2
Synonyms	ME2; malic enzyme 2, NAD(+)-dependent, mitochondrial; NAD-dependent malic enzyme, mitochondrial; NAD-ME; malate dehydrogenase; pyruvic-malic carboxylase; ODS1;
Gene ID	4200
mRNA Refseq	NM_001168335
Protein Refseq	NP_001161807

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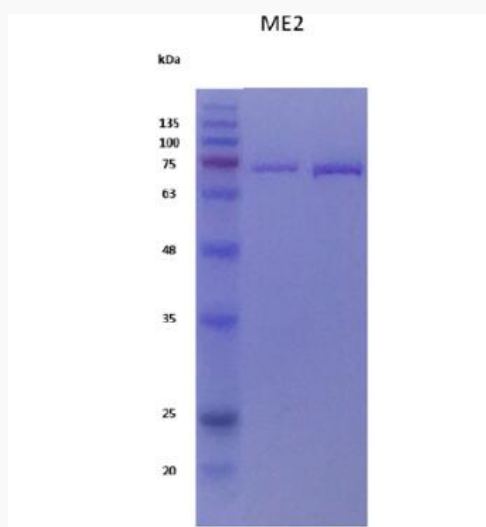
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MIM 154270

UniProt ID P23368

SDS-PAGE



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