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Datasheet for ABIN1473932

ME1 Protein (AA 1-572) (His tag)

Overview

Quantity:	1 mg
Target:	ME1
Protein Characteristics:	AA 1-572
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ME1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MDPRAPRRRH THQRGYLLTR DPHLNKDIAF TLEERQQLKI HGLLPPCIVN QEIQVLRVIK NFERLNSDFD RYLLMLDLQD RNEKLFYSVL MSNVEKFMPV VYTPTVGLAC QQYSLAFRKP RGLFISIHDK GHIASVLNAW PEDVVKAIVV TDGERILGLG DLGCNGMGIP VGKLALYTAC GGVNPQQCLP ITLDVGTENE ELLKDPLYIG LRHRRVRGPE YDAFLDEFME AASSKYGMNC LIQFEDFANL NAFRLNKKYR NKYCTFNDDI QGTASVAVAG LLAALRITKN KLSAQTVLFG GAGEAALGIA HLIVMAMEKE GLSKEKARQK IWLVDKGLI VKGRASLTTEE KEVFAHEHEE MKNLEAIVQK IKPTALIGVA AIGGAFTEQI LKDMAAFNER PIIFALSNT SKAECSAEEC YKVTKGRAIF ASGSPFDPVT LPDGRTLFPG QGNNSYVFPG VALGVVACGL RHINDSVFLT TAEVISQQVS DKHLEEGRLY PPLNTIRDVS LKIAVKIVQD AYKEKMATVY PEPQNKEEFV SSQMYSTNYD QILPDCYSWP EEVQKIQTQV NQ
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

Target Details

Target: ME1

Alternative Name: NADP-dependent malic enzyme (Me1) ([ME1 Products](#))

Background: Recommended name: NADP-dependent malic enzyme.
Short name= NADP-ME.
EC= 1.1.1.40.
Alternative name(s): Malic enzyme 1

UniProt: [P13697](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to

Handling

one week

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.