

Datasheet for ABIN7562749

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



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Overview

Quantity:	1 mg
Target:	ME1
Protein Characteristics:	AA 1-572
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ME1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Me1 Protein expressed in mammalian cells.
Sequence:	<p>MEPRAPRRRH THQRGYLLTR DPHLNKDLAF TLEERQQLNI HGLLPCCIIS QELQVLRRIK</p> <p>NFERLNSDFD RYLLMLDQD RNEKLFYSVL MSDVEKFMPI VYTPTVGLAC QQYSLAFRKP</p> <p>RGLFISIHDK GHIASVLNAW PEDVVKAIIV TDGERILGLG DLGCNGMGIP VGKLALYTAC</p> <p>GGVNPQQCLP ITLDVGTENE ELLKDPLYIG LRHRRVRGPE YDAFLDEFME AASSKYGMNC</p> <p>LIQFEDFANR NAFRLNKKYR NKYCTFNDDI QGTASVAVAG LLAALRITKN KLSQDQTVLFQ</p> <p>GAGEAALGIA HLVMAMEKE GLSKENARKK IWLVDKGLI VKGRASLTEE KEVFAHEHEE</p> <p>MKNLEAIVQK IKPTALIGVA AIGGAFTEQI LKDMAAFNER PIIFALSNTPT SKAECSAEQC</p> <p>YKVTKGRAIF ASGSPFDPVT LPDGRTLFPG QGNNSYVFPG VALGVVACGL RHIDDKVFLT</p> <p>TAEVISQQVS DKHLQEGRLY PPLNTIRGVS LKIAVKIVQD AYKEKMATVY PEPQNKEEFV</p> <p>SSQMYSTNYD QILPDCYPWP AEVQKIQTKV NQ Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p>

of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	ME1
Alternative Name:	Me1 (ME1 Products)
Background:	NADP-dependent malic enzyme (NADP-ME) (EC 1.1.1.40) (Malic enzyme 1),FUNCTION: Catalyzes the oxidative decarboxylation of (S)-malate in the presence of NADP(+) and divalent metal ions, and decarboxylation of oxaloacetate. {ECO:0000250 UniProtKB:P48163}.
Molecular Weight:	64.0 kDa
UniProt:	P06801
Pathways:	Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months