

Datasheet for ABIN7549231
ME1 Protein (AA 1-572) (His tag)



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Overview

Quantity:	1 mg
Target:	ME1
Protein Characteristics:	AA 1-572
Origin:	Human
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>MEPEAPRRRH THQRGYLLTR NPHLNKDLAF TLEERQQLNI HGLLPSPFNS QEIQVLRVVK</p> <p>NFEHLNSDFD RYLLMLDQD RNEKLFYRVL TSDIEKFMPI VYTPTVGLAC QQYSLVFRKP</p> <p>RGLFITIHDR GHIASVLNAW PEDVIKAIIV TDGERILGLG DLGCNGMGIP VGKLALYTAC</p> <p>GGMNPQECLP VILDVGTENE ELLKDPLYIG LRQRRVRGSE YDDFLDEFME AVSSKYGMNC</p> <p>LIQFEDFANV NAFRLLNKYR NQYCTFNDDI QGTASVAVAG LLAALRITKN KLSAQITLFG</p> <p>GAGEAALGIA HLIVMALEKE GLPKKEAIKK IWLVDKGLI VKGRASLTQE KEKFAHEHEE</p> <p>MKNLEAIVQE IKPTALIGVA AIGGAFSEQI LKDMAAFNER PIIFALSNPT SKAECSAEQC</p> <p>YKITKGRAIF ASGSPFDPVT LPNGQTLYPG QGNNSYVFPV VALGVVACGL RQITDNIFLT</p> <p>TAEVIAQQVS DKHLEEGRLY PPLNTIRDVS LKIAEKIVKD AYQEKTATVY PEPQNKEAFV</p> <p>RSQMYSTDYD QILPDCYSWP EEVQKIQTKV DQ 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:0000269 PubMed:7622060, ECO:0000269 PubMed:7757881, ECO:0000269 PubMed:8187880, ECO:0000269 PubMed:8804575}.
Molecular Weight:	64.2 kDa
UniProt:	P48163
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 as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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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