

Datasheet for ABIN7556420
MECP2 Protein (AA 1-484) (His tag)



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Overview

Quantity:	1 mg
Target:	MECP2
Protein Characteristics:	AA 1-484
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MECP2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mecp2 Protein expressed in mammalian cells.
Sequence:	<p>MVAGMLGLRE EKSEDQLQG LRDKPLKFKK AKKDKKEDKE GKHEPLQPSA HHTSAEPAEAG KAETSESSGS APAVPEASAS PKQRRSIIRD RGPYDDPTL PEGWTRKLLKQ RKSGRSAGKY DVYLINPQGK AFRSKVELIA YFEKVGDTSL DPNDDFDFTVT GRGSPSRREQ KPPKKPKSPK APGTGRGRGR PKGSGTGRPK AAASEGVQVK RVLEKSPGKL VVKMPFQASP GKGEGGGAT TSAQVMVIKR PGRKRKAEAD PQAIPKKRGR KPGSVVAAAA AEAKKKAVKE SSIRSVHETV LPIKRRKTRE TVSIEVKEVV KPLLVSTLGE KSGKGLKTCK SPGRKSKESS PKGRSSSASS PPKKEHHHHH HHSESTKAPM PLLPSPPPPE PESSEDPISP PEPQLSSSI CKEEKMPRGG SLESDGCPKE PAKTQPMVAT TTTVAEKYKH RGEGERKDIV SSSMPRPNRE EPVDSRTPVT ERVS</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

MECP2

Alternative Name:

Mecp2 ([MECP2 Products](#))

Background:

Methyl-CpG-binding protein 2 (MeCp-2 protein) (MeCp2),FUNCTION: Chromosomal protein that binds to methylated DNA. It can bind specifically to a single methyl-CpG pair. It is not influenced by sequences flanking the methyl-CpGs. Mediates transcriptional repression through interaction with histone deacetylase and the corepressor SIN3. Binds both 5-methylcytosine (5mC) and 5-hydroxymethylcytosine (5hmC)-containing DNA, with a preference for 5-methylcytosine (5mC). {ECO:0000269|PubMed:23434322}.

Molecular Weight:

52.3 kDa

UniProt:

[Q9Z2D6](#)

Pathways:

[Inositol Metabolic Process](#), [Chromatin Binding](#), [Synaptic Membrane](#)

Application Details

Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

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
