

Datasheet for ABIN7557895

Microrchidia 2A Protein (MORC2A) (AA 1-1030) (His tag)[Go to Product page](#)

Overview

Quantity: 1 mg

Target: Microrchidia 2A (MORC2A)

Protein Characteristics: AA 1-1030

Origin: Mouse

Source: HEK-293 Cells

Protein Type: Recombinant

Purification tag / Conjugate: This Microrchidia 2A protein is labelled with His tag.

Application: SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose: Custom-made recombinat Morc2a Protein expressed in mammalien cells.

Sequence: MAFTNYSSLN RAQLTFEYLH TNSTTHEFLF GALAELVDNA RDADATRIDI YAERREDLRG
GFMLCFLDDG AGMDPSDAAS VIQFGKSAKR TPESTQIGQY GNGLKSGSMR IGKDFILFTK
KEDTMTCLFL SRTFHEEEGI DEVIVPLPTW NARTREPITD NVEKFAIETE LVIKYSFHT
EEQVMNQFMK IPGNSGTLVI IFNLKLM DNG EPELDIISNP KDIQMAETSP EGTKPERRSF
RAYAAVLYID PRMRIFIHGH KVQTKRLSCC LYKPRMYKYT SSRFKTRAEQ EVKKAEHVAR
IAEEKAREAE SKARTLEVRM GGDLTRDSRV MLRQVQNTAI TLRREADVKK RIKDAKQRAL
KEPKELNFVF GVNIEHRDL D GMFIYNCSRL IKMYEKVGPQ LEGGMACGGV VGVVDVPYLV
LEPTHNKQDF ADAKEYRHLL RAMGEHLAQY WKDIAIAQRG IIKFWDEFY LSANWNQPPS
SELRFKRRRA MEIPTTIQCD LCLKWRTL PF QLSSVETDYP DTWVCSMNPD PEQDRCEASE
QKQKVPLGTL KKDPKTQEEK QKQLTEKIRQ QQEKLEALQK TTPIRSADL KKLPLEVTTR
PIEEPVRRPQ RPRSPPLPAV IKNAPSRPPS IQTPRPSTQL RKTSVISLPK PPTTAARGET

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STSRLQLQTE APRKPANPPI KTVPRPTPPV HTPPLSLIPS SKSLREVPAQ KAIKTPVWKK
PEPPVKQSVV TSGRKRSLAV SDEEEAEEEA EKRRERCKRG KLAVKEEKKE ANELSDSAGE
DHPAELRKAQ KDKGLHVEVR VNREWYTGRV TAVEVGKNAV RWKVKFDYVP TDTTPRDRWV
EKGSDEVRLM KPPSPEHQSP DTQQEGGEEE EAMVARQAVA LPEPSTSDGL PIEPDTTATS
PSHETIDLLV QILRNCLRYF LPPSFPISKK ELSVMNSEEL ISFPLKEYFK QYEVGLQNLG
HSYQSRADSR AKASEESLRT SEKKLRETEE KLQKLRTNIV ALLQKVQEDI DINTDDELDA
YIEDLITKGD **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.**

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:

Microrchidia 2A (MORC2A)

Alternative Name:

Morc2a

Background:

ATPase MORC2A (EC 3.6.1.-) (MORC family CW-type zinc finger protein 2A) (Zinc finger CW-type coiled-coil domain protein 1),FUNCTION: Essential for epigenetic silencing by the HUSH complex. Recruited by HUSH to target site in heterochromatin, the ATPase activity and homodimerization are critical for HUSH-mediated silencing (By similarity). Represses germ cell-

Target Details

related genes and L1 retrotransposons in collaboration with SETDB1 and the HUSH complex, the silencing is dependent of repressive epigenetic modifications, such as H3K9me3 mark (PubMed:29728365). Silencing events often occur within introns of transcriptionally active genes, and lead to the down-regulation of host gene expression. During DNA damage response, regulates chromatin remodeling through ATP hydrolysis (By similarity). During DNA damage response, may regulate chromatin remodeling through ATP hydrolysis (By similarity). {ECO:0000250|UniProtKB:Q9Y6X9, ECO:0000269|PubMed:29728365}.

Molecular Weight: 117.3 kDa

UniProt: [Q69ZX6](#)

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.

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