

Datasheet for ABIN7549291

## MAEL Protein (AA 1-434) (His tag)



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### Overview

|                               |                                             |
|-------------------------------|---------------------------------------------|
| Quantity:                     | 1 mg                                        |
| Target:                       | MAEL                                        |
| Protein Characteristics:      | AA 1-434                                    |
| Origin:                       | Human                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This MAEL protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)       |

### Product Details

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|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:         | Custom-made recombinat MAEL Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence:        | <p>MPNRKASRNA YYFFVQEIP ELRRRGLPVA RVADAIPYCS SDWALLREEE KEKYAEMARE</p> <p>WRAAQGKDPG PSEKQKPVFT PLRRPGMLVP KQNVSPDMS ALSLKGDQAL LGGIFYFLNI</p> <p>FSHGELPPHC EQRFLPCEIG CVKYSLQEGI MADFHSFINP GEIPRGFRFH CQAASDSSHK</p> <p>IPISNFERGH NQATVLQNLY RFIHPNPGNW PPIYCKSDDR TRVNWCLKHM AKASEIRQDL</p> <p>QLLTVEDLVV GIYQQKFLKE PSKTWIRSLI DVAMWDYSSN TRCKWHEEND ILFCALAVCK</p> <p>KIAYCISNSL ATLFGIQLTE AHVPLQDYEA SNSVTPKMVV LDAGRYQKLR VGSSGFSHFN</p> <p>SSNEEQRSNT PIGDYPRAK ISGQNSSVRG RGITRLLESI SNSSSNIHKF SNCDTSLSPY</p> <p>MSQKDGYSF SSLS <b>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.</b></p> |
| Characteristics: | Key Benefits:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Product Details

- 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: MAEL

Alternative Name: MAEL ([MAEL Products](#))

Background: Protein maelstrom homolog,FUNCTION: Plays a central role during spermatogenesis by repressing transposable elements and preventing their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Its association with piP-bodies suggests a participation in the secondary piRNAs metabolic process. Required for the localization of germ-cell factors to the meiotic nuage (By similarity). {ECO:0000250|UniProtKB:Q8BVN9}.

Molecular Weight: 49.2 kDa

UniProt: [Q96JY0](#)

## Application Details

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

## Application Details

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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

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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