

Datasheet for ABIN7549357  
**MBLAC1 Protein (AA 1-266) (His tag)**



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## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | MBLAC1  |
| Protein Characteristics:      | AA 1-266                                      |
| Origin:                       | Human   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This MBLAC1 protein is labelled with His tag. |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Custom-made recombinant MBLAC1 Protein expressed in mammalian cells.  |
| Sequence:        | MRTEPLCGAS PLLVPGDPYS VVLLQGYAE PEGVGDAVRA DGSVTLVLPQ TRGPASSHRE<br>SPRSGSGAEA ALEEAARGPI LVDTGGPWAR EALLGALAGQ GVAPGDVTLV VGTHGHSDHI<br>GNLGLFPGAA LLVSHDFCLP GGRYLPHGLG EGQPLRLGPG LEVWATPGHG QQRDVSVVVA<br>GTALGTVVVA GDVFERDGDE DSWQALSEDP AAQERSRKRKRV LVVADVVPVPG HGPPFRVLRE<br>ASQPETEGGG NSQQEPVVGDE EEPALH <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> |
| Specificity:     | If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.   |
| Characteristics: | Key Benefits: <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li></ul>  |

## Product Details

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- 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.

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| Purity: | > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC) |
| Grade:  | custom-made   |

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## Target Details

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|                   |   |
|-------------------|---|
| Target:           | MBLAC1  |
| Alternative Name: | MBLAC1 ( <a href="#">MBLAC1 Products</a> )  |
| Background:       | Metallo-beta-lactamase domain-containing protein 1 (EC 3.1.27.-) (Endoribonuclease MBLAC1),FUNCTION: Endoribonuclease that catalyzes the hydrolysis of histone-coding pre-mRNA 3'-end. Involved in histone pre-mRNA processing during the S-phase of the cell cycle, which is required for entering/progressing through S-phase (PubMed:30507380). Cleaves histone pre-mRNA at a major and a minor cleavage site after the 5'-ACCCA-3' and the 5'-ACCCACA-3' sequence, respectively, and located downstream of the stem-loop (PubMed:30507380). May require the presence of the HDE element located at the histone pre-RNA 3'-end to avoid non-specific cleavage (PubMed:30507380).<br>{ECO:0000269 PubMed:30507380}. |
| Molecular Weight: | 27.2 kDa  |
| UniProt:          | <a href="#">A4D2B0</a>  |

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## Application Details

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| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for |
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## Application Details

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functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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