

Datasheet for ABIN7550327
ORC6 Protein (AA 1-252) (His tag)



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Overview

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| Quantity: | 1 mg |
| Target: | ORC6 |
| Protein Characteristics: | AA 1-252 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ORC6 protein is labelled with His tag. |

Product Details

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| Purpose: | Custom-made recombinant ORC6 Protein expressed in mammalian cells. |
| Sequence: | MGSELIGRLA PRLGLAEPDM LRKAEYLRL SRVKCVGLSA RTTETSSAVM CLDLAASWMK CPLDRAYLIK LSGLNKETYQ SCLKSFECLL GLNSNIGIRD LAVQFSCIEA VNMASKILKS YESSLPQTQQ VDLDLRPLF TSAALLSACK ILKLVKDNK MVATSGVKKA IFDRLCKQLE KIGQQVDREP GDVATPPRKR KKIVVEAPAK EMEKVEEMPH KPQKDEDLTQ DYEEWKRKIL ENAASAQKAT AE 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. |
| 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">• Made to order protein - from design to production - by highly experienced protein experts. |

Product Details

- 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 |

Target Details

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| Target: | ORC6 |
| Alternative Name: | ORC6 (ORC6 Products) |
| Background: | Origin recognition complex subunit 6,FUNCTION: Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent. The specific DNA sequences that define origins of replication have not been identified yet. ORC is required to assemble the pre-replication complex necessary to initiate DNA replication. Does not bind histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3. {ECO:0000269 PubMed:22427655}. |
| Molecular Weight: | 28.1 kDa |
| UniProt: | Q9Y5N6 |
| Pathways: | Mitotic G1-G1/S Phases , DNA Replication , M Phase , Synthesis of DNA |

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 functional studies yet we cannot offer a guarantee though. |
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Application Details

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