

Datasheet for ABIN7565108  
**ORC3 Protein (AA 1-715) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ORC3
Protein Characteristics:	AA 1-715
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ORC3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Orc3 Protein expressed in mammalian cells.
Sequence:	<p>MHTGPRTMAT SSVSKGCFVF KPDKKKRKVF VPIEDYFNNE ELDSEDSKLR FETYSLLWQR</p> <p>MKSETEQLQE ELNENLFDNL VDFLQKSHPE FQKNSRDWGS QMKFREIPTA ALILGVNVTD</p> <p>HDVILRSLTE TLQNNVTPYV VSLQAKDCPD VKHFLQKFTS QLMDCCVDRH SKEVTSGKAL</p> <p>KKTNYSMDSL CSWYSAVTQK ADHKVTIKKR TASGHWRSPP VVLILKSMES FTSKVLQDFI</p> <p>TISSQHLHEF PLILIFGIAT SPVIIHRLLP HSVSSLLCVE LFQSLSCSEQH LTVLQDKLL TPQFPFKLSK</p> <p>KALQVLTNIF LYHDFSIQSF IKGIKLSLLE HFYSQPLSVL CCDLSEAKKR VNVFVSQCE</p> <p>NIRRLPSFRR YVENQPLGKQ VALLTNETFL KEKTQSLED LHVYHINYFL VLRCLHNFTS</p> <p>SLPKYPLGRQ IRELYCTCLE KKIWDSEYK SALQLLRMLA KDELVSILQR CIEVDSSTE</p> <p>KQLGNTTQKI KDFTLQFQNL DADSKEEDA CGSQPKGLQK TDLYHLQKSL LEMKELRRTK</p> <p>KPTKFEMLRE NVMNFIDNLV RDYLLPPESQ PLHEVVYFSA ANTLREHLNA APRIALHTAL</p> <p>NNPYYLYKNE ELEGIPNTA PDICIAYKLH LECSLLINLV DWAEAFATVV TAAEKMDANS</p>

TVSEEMSEVI HARFIRAVSE LELLGFIKPT KQKTDHVARL TWGGC **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:

ORC3

### Alternative Name:

Orc3 ([ORC3 Products](#))

### Background:

Origin recognition complex subunit 3 (Origin recognition complex subunit Latheo),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. Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3. {ECO:0000250|UniProtKB:Q9UBD5}.

### Molecular Weight:

82.3 kDa

### UniProt:

[Q9JK30](#)

## Target Details

Pathways: [Mitotic G1-G1/S Phases, DNA Replication, Feeding Behaviour, Synthesis of DNA](#)

## 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