

Datasheet for ABIN7565278  
**ORC1 Protein (AA 1-840) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ORC1 (ORC1L)
Protein Characteristics:	AA 1-840
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ORC1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Orc1 Protein expressed in mammalian cells.
Sequence:	MPSYLTRQKT RQTFSWVGRP LPNRKQFQQM YREICMKIND GSEIHIKVGQ FVLIQGEDNK KPYVAKLIEL FQNGAEVPPK KCARVQWFVR FLEIPVSKRH LLGRSPPAQE IFWYDCSDWD NKINVETIIG PVQVVALAPE EVIPVDQKSE ETLFVKLSWN KKDFAPLPPE VLAALREQED SPEWQKPLKA KIKNVKSPAR NTTEQEVKGI KSNHSTSKFH QTPANIVIPN AKKSLELDGL GFTRKPNTRW SKSSCDSLD YQKTSKRAA FSETTSPPKK PNKPREIKPS SALETRVKNG QTQPFCAKSS VVLRARNPAM TTTKLGVDNT LSPINRLRS SVVPSGGLTP VYIRRKAKEQ ETHKEPIRTS RVHRKSSLLT LKRIRQLCL LDGDDRDQEE EESVDSESEE EDEFISSLPT RNSLGQSRTR QTPSKSPQKN PKPRTPHRAT PQIRDRNLAV QEPASALEEA RLRLHVSAPV DSLPCREQEF QDIYSFVESK LLDGTGGCMY ISGVPGTGKT ATVHEVIRCL QQAAETDDVP PFQYVEVNGM KLTEPHQVYV QILKCLTGQK ATANHAAELL AKQFCGQGSQ KETTIVLLVDE LDLLWTHKQD VMYNLFDWPT HKGAHLIVLT IANTMDLPER IMMNRVSSRL GLTRMSFQPY SHSQLKQILV SRLRNLRAFE DDAIQLVARK VAALSGDARR CLDICRRATE ICELSHLRGD

## Product Details

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SLSLVTVAHL MEAIDEMFSS SYITAIKNSS VVEQSFLRAI IAEFRRSGLE EATFQQIYSQ  
HVALCRM EGL PYPTMSETMA VCSRLGSCRL LLVEPSRNDL LLRVRLNVSQ NDVLFALKEE

**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.**

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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.

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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.

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

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Grade: custom-made

## Target Details

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Target: ORC1 (ORC1L)

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Alternative Name: Orc1 ([ORC1L Products](#))

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Background: Origin recognition complex subunit 1,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 (By similarity). {ECO:0000250}.

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## Target Details

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Molecular Weight: 95.1 kDa

UniProt: [Q9Z1N2](#)

Pathways: [Mitotic G1-G1/S Phases, DNA Replication, 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.

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