

Datasheet for ABIN7550326
ORC4 Protein (AA 1-436) (His tag)



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Overview

Quantity:	1 mg
Target:	ORC4
Protein Characteristics:	AA 1-436
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ORC4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ORC4 Protein expressed in mammalian cells.
Sequence:	MSSRKSXSNS LIHTECLSQV QRILRERFCR QSPHSNLFQV QVQYKHLSEL LKRTALHGES NSVLIIGPRG SGKTMLINHA LKELMEIEEV SENVLQVHLN GLLQINDKIA LKEITRQLNL ENVVGDQVFG SFAENLSFLL EALKKGDRTS SCPVIFILDE FDLFAHHKNQ TLLYNLFDIS QSAQTPIAVI GLTCRLDILE LLEKRVKSRF SHRQIHLMNS FGFPQYVKIF KEQLSLPAEF PDKVFAEKWN ENVQYLSEDR SVQEVQLKHF NISKNLRS LH MLLMLALNRV TASHPFMTAV DLMEASQLCS MDSKANIVHG LSVLEICLII AMKHLNDIYE EEPFNFMVY NEFQKQVQRK AHSVYNFEKP VVMKAFEHLQ QLELIKPMER TSGNSQREYQ LMKLLLDNTQ IMNALQKYPN CPTDVRQWAT SLSWL 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.

Product Details

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

ORC4

Alternative Name:

ORC4 ([ORC4 Products](#))

Background:

Origin recognition complex subunit 4,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:0000269|PubMed:22427655}.

Molecular Weight:

50.4 kDa

UniProt:

[O43929](#)

Pathways:

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

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

Application Details

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
