

Datasheet for ABIN7557628
ORC2 Protein (AA 1-576) (His tag)



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Overview

Quantity:	1 mg
Target:	ORC2
Protein Characteristics:	AA 1-576
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ORC2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Orc2 Protein expressed in mammalian cells.
Sequence:	<p>MSTLQLKETK VPSVQFVGDD DVLSHILDRE GGTKLKKEKA QLLVNPQKVI KKADCELEKS DLEVLEDQNY VKVLGRNIQE SLGNGSAKDG RNKVYSFQQR KHPEEMTKLA LELAKTSGKK DPLDSNDPEI TKNIAQKSKG HSTSEKAPLV NNNKTEFLST QPHNLRKRRII ASRSHYDSES EYSASSSEDD EEATKDEEED TNVARLSQKS QGQNRLLPAP VSKETLPKKK KRDKASDLVE EYFEAHSSSK VLTSDRTLQR LRRARVDQKT LHNLLRKFPV SFSAEIERLN QQHEKLFHKW MLQLHLGFNI VLYGLGSKRD LLEKFRITML QDSIHVVING YFPGVSVKSI LNSITEDVLS HVGTFQSVLD QRDWIINRFK EDSSLELFLI IHNLDSQMLR GDNSQQILGQ LSSLHNVYLI ASIDHLNAPL MWDHAKQSLY NWLWYETTTY SPYTEETSYE NSLLVKQSGS LPLSSLIHVL RSLTPNARGI FRLLMKFQLD NQDSPSYIGL SFQDFYQQCR EAFLVNSDLT LRAQLTEFRD HKLIRTKKGT DGVEYLLIPV DSGILADFLE KEEEEE 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</p>

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:

- 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: ORC2

Alternative Name: Orc2 ([ORC2 Products](#))

Background: Origin recognition complex subunit 2,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). Binds histone H3 and H4 trimethylation marks H3K9me3, H3K20me3 and H4K27me3. Stabilizes LRWD1, by protecting it from ubiquitin-mediated proteasomal degradation. Also stabilizes ORC3 (By similarity). {ECO:0000250}.

Molecular Weight: 65.9 kDa

UniProt: [Q60862](#)

Application Details

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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Restrictions:	For Research Use only
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Handling

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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