

Datasheet for ABIN7554817

ORC1 Protein (AA 1-861) (His tag)



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Overview

Quantity:	1 mg
Target:	ORC1 (ORC1L)
Protein Characteristics:	AA 1-861
Origin:	Human
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:	<p>MAHYPTRLKT RKTYSWVGRP LLDRKLHYQT YREMCVKTEG CSTEIHIQIG QFVLIEGDDD</p> <p>ENPYVAKLLE LFEDDSDPPP KKRARVQWV RFCEVPACKR HLLGRKPGAQ EIFWYDYPAC</p> <p>DSNINAETII GLVRVIPLAP KDVVPTNLKN EKTILFVKLSW NEKKFRPLSS ELFAELNKPQ</p> <p>ESAAKCQKPV RAKSKSAESP SWTPAEHVAK RIESRHSASK SRQTPHPLT PRARKRELG</p> <p>NLGNPQMSQQ TSCASLDSPG RIKRKVAFSE ITSPSKRSQP DKLQTLSPAL KAPEKTRETG</p> <p>LSYTEDDKKA SPEHRIILRT RIAASKTIDI REERTLTPIS GGQRSSVVPV VILKPENIKK</p> <p>RDAKEAKAQN EATSTPHRIR RKSSVLTMRN IRQQLRFLGN SKSDQEEKEI LPAAEISDSS</p> <p>SDEEEASTPP LPRRAPRTVS RNLRSSLKSS LHTLTKVPPK SLKPRTPRCA APQIRSRSLA</p> <p>AQEPASVLEE ARLRLHVS AV PESLPCREQE FQDIYNFVES KLLDHTGGCM YISGVPGTGK</p> <p>TATVHEVIRC LQQAQANDV PPFQYIEVNG MKLTEPHQVY VQILQKLTGQ KATANHAAEL</p> <p>LAKQFCTGRS PQETTVLLVD ELDLLWTHKQ DIMYNLFDWP THKEARLVVL AIANTMDLPE</p> <p>RIMMNRVSSR LGLTRMCFQP YTYSQLQQIL RSRLKHLKAF EDDAIQLVAR KVAALSGDAR</p>

Product Details

RCLDICRRAT EICEFSQQKP DSPGLVTIAH SMEAVDEMFS SSYITAIKNS SVLEQSFLRA
ILAEFRRSGL EEATFQQIYS QHVALCRMEG LPYPTMSETM AVCSHLGSCR LLLVEPSRND
LLLRVRLNVS QDDVLYALKD E **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:**

- 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: ORC1 (ORC1L)

Alternative Name: ORC1 ([ORC1L Products](#))

Background: Origin recognition complex subunit 1 (Replication control protein 1),FUNCTION: Component of the origin recognition complex (ORC) that binds origins of replication. DNA-binding is ATP-dependent. The 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.

Molecular Weight: 97.4 kDa

Target Details

UniProt: [Q13415](#)

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 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