

Datasheet for ABIN7554821
ORC2 Protein (AA 1-577) (His tag)



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Overview

Quantity:	1 mg
Target:	ORC2
Protein Characteristics:	AA 1-577
Origin:	Human
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>MSKPELKEDK MLEVHFGDD DVLNHILDRE GGAKLKKERA QLLVNPCKII KKPEYDLEED</p> <p>DQEVLDQNY VEIMGRDVQE SLKNGSATGG GNKVYSFQNR KHSEKMAKLA SELAKTPQKS</p> <p>VSFSLKNDPE ITINVPQSSK GHSASDKVQP KNNDKSEFLS TAPRSLRKRL IVPRSHSDSE</p> <p>SEYSASNSD DEGVAQEHEE DTNAVIFSQK IQAQN RVVSA PVGKETPSKR MKRDKTSDLV</p> <p>EEYFEAHSSS KVLTS DRTLQ KLKRAKLDQQ TLRNLLSKVS PSFSAELKQL NQQYEKLFHK</p> <p>WMLQLHLGFN IVLYGLGSKR DLLERFRTTM LQDSIHWIN GFFPGISVKS VLNSITEEVL</p> <p>DHMGTFRSIL DQLDWIVNKF KEDSSLELFL LIHNLD SQML RGEKSQ QIIG QLSSLHNIYL</p> <p>IASIDHLNAP LMWDHAKQSL FNWLWYETTT YSPYTEETSY ENSLLVKQSG SLPLSSLTHV</p> <p>LRLSLTPNARG IFRLLIKYQL DNQDNPSYIG LSFQDFYQQC REAFLVNSDL TLRAQLTEFR</p> <p>DHKLIRTKKG TDGVEYLLIP VDNGTLTDFL EKEEEEA Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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:	<p>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. Binds histone H3 and H4 trimethylation marks H3K9me3, H3K20me3 and H4K27me3. Stabilizes LRWD1, by protecting it from ubiquitin-mediated proteasomal degradation. Also stabilizes ORC3. {ECO:0000269 PubMed:22427655, ECO:0000269 PubMed:22935713}.</p>
Molecular Weight:	66.0 kDa
UniProt:	Q13416

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