

## Product datasheet for **TP309054**

### ORC6L (ORC6) (NM\_014321) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human origin recognition complex, subunit 6 like (yeast) (ORC6L), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209054 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MGSELIGRLAPRLGLAEPDMLRKAEEYLRLSRVKCVGLSARTTETSSAVMCLDLAASWMKCPLDRAYLIK  
LSGLNKETYQSCLKSFCELLGLNSNIGIRDLAVQFSCIEAVNMASKILKSYESSLPQTQQVDLDRPLF  
TSAALLSACKILKLVKVDKNKMOVATSGVKAIFDRLCKQLEKIGQQVDREPGDVATPPRKRKKIVVEAPAK  
EMEKVEEMPHKPQKDEDLTQDYEEWKRKILENAASAQKATAE

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	27.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_055136</a></u>
Locus ID:	23594



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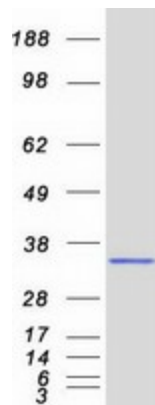
UniProt ID: [Q9Y5N6](#)  
RefSeq Size: 1644  
Cytogenetics: 16q11.2  
RefSeq ORF: 756  
Synonyms: ORC6L

**Summary:** The origin recognition complex (ORC) is a highly conserved six subunit protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subunit of the ORC complex. Gene silencing studies with small interfering RNA demonstrated that this protein plays an essential role in coordinating chromosome replication and segregation with cytokinesis. [provided by RefSeq, Oct 2010]

**Protein Families:** Druggable Genome, Stem cell - Pluripotency

**Protein Pathways:** Cell cycle

### Product images:



Coomassie blue staining of purified ORC6 protein (Cat# TP309054). The protein was produced from HEK293T cells transfected with ORC6 cDNA clone (Cat# [RC209054]) using MegaTran 2.0 (Cat# [TT210002]).