

## Product datasheet for **TP301587L**

### ORC4L (ORC4) (NM\_002552) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human origin recognition complex, subunit 4-like (yeast) (ORC4L), transcript variant 2, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC201587 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MSSRKSKSNSLIHTECLSQVQRILRERFCRQSPHSNLFVGVQVQYKHLSELLKRTALHGESNSVLIIGPRG  
SGKTMLINHALKELMEIEEVSENVLQVHLNGLLQINDKIALKEITRQLNLENVVGDKVFGSFAENLSFLL  
EALKKGDRTSSCPVIFILDEFDLFAHHKNQTLNLFDISQSAQTPIAVIGLTCRLDILELLEKRVKSRF  
SHRQIHLMNSFGFPQYVKIFKEQLSLPAEFPDKVFAEKWNEENVQYLSEDRSVQEVQLKHFNISKNLRLSLH  
MLLMLALNRVTASHPFMTAVDLMEASQLCSMDSKANIVHGLSVLEICLIAMKHLNDIYEEEPFNFMVY  
NEFQKFVQRKAHSVYNFEKPVVMKAFEHLQQLLELIKPMERTSGNSQREYQLMKLLLDNTQIMNALQKYPN  
CPTDVRQWATSSLSWL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 50.2 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.



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RefSeq: [NP\\_002543](#)

Locus ID: 5000

UniProt ID: [Q43929](#), [A8K7H4](#)

RefSeq Size: 6594

Cytogenetics: 2q23.1

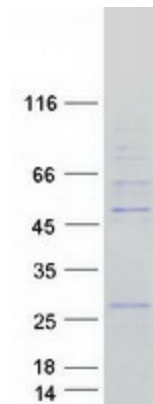
RefSeq ORF: 1308

Synonyms: ORC4L; ORC4P

**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. This gene encodes a subunit of the ORC complex. Several alternatively spliced transcript variants, some of which encode the same protein, have been reported for this gene. [provided by RefSeq, Oct 2010]

**Protein Pathways:** Cell cycle

### Product images:



Coomassie blue staining of purified ORC4 protein (Cat# [TP301587]). The protein was produced from HEK293T cells transfected with ORC4 cDNA clone (Cat# [RC201587]) using MegaTran 2.0 (Cat# [TT210002]).