

Product datasheet for **TP509043**

Orc2 (NM_008765) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse origin recognition complex, subunit 2 (Orc2), transcript variant a, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209043 protein sequence Red =Cloning site Green =Tags(s)

MSTLQLKETKVPVSVQFVGDDVLSHILDREGGTKLKKEKAQLLVNPQKVIKKADCELEKSDLEVLEDQNY
VKVLGRNIQESLGNLSAKDGRNKVVSFQQRKHPEEMTKLALAKTSGKKDPLDSNDPEITKNIAQKSKG
HSTSEKAPLVNKKTEFLSTQPHNLRKRIASRSHYDSESEYSASSEDEEATKDEEEDTNVARLSQKS
QGQNRLLPAPVSKETLPKRRKRDKASDLVEEYFEAHSSSKVLTSRDLQRLRRARVDQKTLHNLLRKFVP
SFSAEIERLNQQHEKLFHKWMLQLHLGFNIVLYGLGSKRDLEKFRRTMLQDSIHVVINGYFPGVSVKSI
LNSITEDVLSHVGTFQSVLDQRDWIINRFKEDSSLELFLIHNLDLSDQMLRGDNSQQLGQLSSLHNVYLI
ASIDHLNAPLMWDHAKQSLYNWLWYETTTYSPTYEETSYSNLLVKQSGSLPLSLIHVLRSLTPNARGI
FRLLMKFQLDNQDPSYIGLSFQDFYQQCREAFLVNSDLTLRAQLTEFRDHKLIRTKKGTGDGVEYLLIPV
DSGILADFLEKEEEEA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	65.9 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq: [NP_032791](#)

Locus ID: 18393

UniProt ID: [Q60862](#), [Q543F8](#)

RefSeq Size: 3561

Cytogenetics: 1 C1.3

RefSeq ORF: 1731

Synonyms: AU041563; Orc2l

Summary: 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).[UniProtKB/Swiss-Prot Function]