

Recombinant Mouse Orc2 Protein, Myc/DDK-tagged

Cat. No. Orc2-4599M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length origin recognition complex, subunit 2 (Orc2), transcript variant a, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	65.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Orc2 origin recognition complex, subunit 2 [Mus musculus (house mouse)]

Official Symbol Orc2

Synonyms ORC2; origin recognition complex, subunit 2; origin recognition complex subunit 2; Orc2l; AU041563

Gene ID 18393

mRNA Refseq NM_008765

Protein Refseq NP_032791

UniProt ID Q60862

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