

Recombinant Mouse Orc4 Protein, Myc/DDK-tagged

Cat. No. Orc4-4600M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length origin recognition complex, subunit 4 (Orc4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3. 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.
Molecular Mass	50 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Orc4 origin recognition complex, subunit 4 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Orc4
Synonyms	ORC4; origin recognition complex, subunit 4; origin recognition complex subunit 4; Orc4P; Orc4l; mMmORC4
Gene ID	26428
mRNA Refseq	NM_011958
Protein Refseq	NP_036088
UniProt ID	O88708

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