

Recombinant Mouse Lrwd1 Protein, Myc/DDK-tagged

Cat. No. Lrwd1-3849M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length leucine-rich repeats and WD repeat domain containing 1 (Lrwd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for G1/S transition. Recruits and stabilizes the origin recognition complex (ORC) onto chromatin during G1 to establish pre-replication complex (preRC) and to heterochromatic sites in post-replicated cells. Binds a combination of DNA and histone methylation repressive marks on heterochromatin. Binds histone H3 and H4 trimethylation marks H3K9me3, H3K27me3 and H4K20me3 in a cooperative manner with DNA methylation. Required for silencing of major satellite repeats. May be important ORC2, ORC3 and ORC4 stability.
Molecular Mass	71.6 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.

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Concentration >50 µg/mL as determined by microplate BCA method

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

GENE INFORMATION

Gene Name Lrwd1 leucine-rich repeats and WD repeat domain containing 1 [Mus musculus (house mouse)]

Official Symbol Lrwd1

Synonyms LRWD1; leucine-rich repeats and WD repeat domain containing 1; leucine-rich repeat and WD repeat-containing protein 1; ORC-associated protein; origin recognition complex-associated protein; Orca; AU042569; AW548074; 1200011O22Rik

Gene ID 71735

mRNA Refseq NM_027891

Protein Refseq NP_082167

UniProt ID Q8BUI3

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