

Recombinant Human ORC2L 293 Cell Lysate

Cat. No. ORC2L-3552HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for origin recognition complex, subunit 2-like (yeast) (ORC2L) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

ORC2 origin recognition complex, subunit 2 [Homo sapiens(human)]

Official Symbol

ORC2L

Synonyms

ORC2; ORC2L; origin recognition complex, subunit 2; origin recognition complex subunit 2; origin recognition complex protein 2 homolog; origin recognition complex, subunit 2 homolog

Gene ID

4999

mRNA Refseq

NM_006190

Protein Refseq

NP_006181

MIM

601182

UniProt ID

Q13416

**Chromosome
Location**

2q33

Pathway

Activation of ATR in response to replication stress; Activation of the pre-replicative complex; Assembly of the pre-replicative complex

Function

DNA replication origin binding; protein binding

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