Recombinant Human ORC3L cell lysate

Cat. No. ORC3L-1259HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Description	The origin recognition complex (ORC) is a highly conserved six subunits protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subunit of the ORC complex. Studies of a similar gene in Drosophila suggested a possible role of this protein in neuronal proliferation and olfactory memory. Alternatively spliced transcript variants encoding distinct isoforms have been reported for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	ORC3 origin recognition complex, subunit 3 [Homo sapiens(human)]
Official Symbol	ORC3L
Synonyms	ORC3; LAT; ORC3L; LATHEO; origin recognition complex, subunit 3; origin

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	recognition complex subunit 3; homolog of latheo, Drosophila; origin recognition complex subunit Latheo; origin recognition complex, subunit 3 honolog
Gene ID	23595
mRNA Refseq	NM_001197259
Protein Refseq	NP_001184188
MIM	604972
UniProt ID	Q9UBD5
Chromosome Location	6q14.3-q16.1
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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