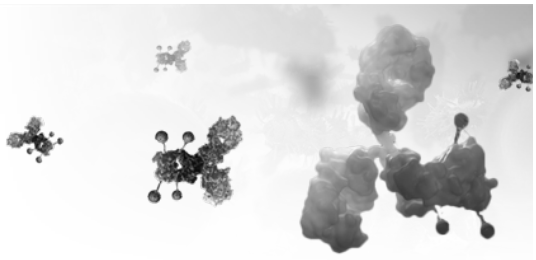

Human ORC4 blocking peptide (CDBP2129)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-ORC4L antibody
Antigen Description	The origin recognition complex (ORC) is a highly conserved six subunit 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. This gene encodes a subunit of the ORC complex. Several alternatively spliced transcript variants, some of which encode the same protein, have been reported for this gene. [provided by RefSeq, Oct 2010]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ORC4 origin recognition complex, subunit 4 [Homo sapiens (human)]
Official Symbol	ORC4
Synonyms	ORC4; origin recognition complex, subunit 4; ORC4L; ORC4P; origin recognition complex

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	subunit 4; origin recognition complex, subunit 4 homolog;
Entrez Gene ID	5000
mRNA Refseq	NM_001190879.2
Protein Refseq	NP_001177808.1
UniProt ID	O43929
Chromosome Location	2q22-q23
Pathway	Activation of ATR in response to replication stress, organism-specific biosystem; Activation of the pre-replicative complex, organism-specific biosystem; Assembly of the ORC complex at the origin of replication, organism-specific biosystem; Assembly of the pre-replicative complex, organism-specific biosystem; Association of licensing factors with the pre-replicative complex, organism-specific biosystem; CDC6 association with the ORC:origin complex, organism-specific biosystem; CDT1 association w
Function	ATP binding; DNA replication origin binding; nucleoside-triphosphatase activity; nucleotide binding; protein binding;

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