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Product datasheet for PH309054

ORC6L (ORC6) (NM_014321) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ORC6L MS Standard C13 and N15-labeled recombinant protein (NP_055136)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209054
Predicted MW:	28.1 kDa
Protein Sequence:	>RC209054 protein sequence Red=Cloning site Green=Tags(s) MGSELIGRLAPRLGLAEPDMLRKAEEYLRLSRVKCVGLSARTTETSSAVMCLDLAASWMKCPLDRAYLIK LSGLNKETYQSCLKSFECLLGLNSNIGIRDLAVQFSCIEAVNMASKILKSYESSLPQTQQVDLDLSRPLF TSAALLSACKILKLKVDKNKMVATSGVKKAIFDRLCKQLEKIGQQVDREPGDVATPPRKRKKIVVEAPAK EMEKVEEMPHKPQKDEDLTQDYEEWKRKILENAASAQKATAE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055136
RefSeq Size:	1644
RefSeq ORF:	756
Synonyms:	ORC6L
Locus ID:	23594
UniProt ID:	Q9Y5N6, A0A024R6R3

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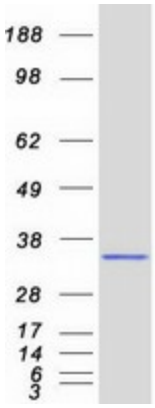
Cytogenetics: 16q11.2

Summary: 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. The protein encoded by this gene is a subunit of the ORC complex. Gene silencing studies with small interfering RNA demonstrated that this protein plays an essential role in coordinating chromosome replication and segregation with cytokinesis. [provided by RefSeq, Oct 2010]

Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Cell cycle

Product images:



Coomassie blue staining of purified ORC6 protein (Cat# [TP309054]). The protein was produced from HEK293T cells transfected with ORC6 cDNA clone (Cat# [RC209054]) using MegaTran 2.0 (Cat# [TT210002]).