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Product datasheet for AR51175PU-N

ORC6 (1-252, His-tag) Human Protein

Product data:

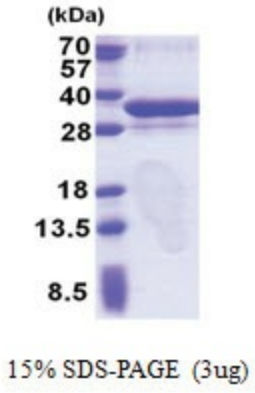
Product Type:	Recombinant Proteins
Description:	ORC6 (1-252, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMGSELIG RLAPRLGLAE PDMLRKAEEY LRLSRVKCVG LSARTTETSS AVMCLDLAAS WMKCPLDRAY LIKLSGLNKE TYQSCLKSFE CLLGLNSNIG IRDLAVQFSC IEAVNMASKI LKSYESSLPQ TQQVDLDLSR PLFTSAALLS ACKILKLKVD KNKMVATSGV KKAIFDRLCK QLEKIGQQVD REPGDVATPP RKRKKIVVEA PAKEMEKVEE MPHKPQKDED LTQDYEEWKR KILENAASAQ KATAE
Tag:	His-tag
Predicted MW:	30.5 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ORC6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_055136
Locus ID:	23594
UniProt ID:	Q9Y5N6, A0A024R6R3
Cytogenetics:	16q11.2
Synonyms:	ORC6L

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:



15% SDS-PAGE (3ug)