

AR51175PU-N

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

Alternate names:

ORC6L, Origin recognition complex subunit 6

Quantity:

0.1 mg

Concentration:

0.25mg/ml (determined by Bradford assay)

Background:

Origin recognition complex subunit 6, also known as ORC6, belongs to the origin recognition complex (ORC). ORC is a highly conserved heterohexameric protein complex that associates with DNA at or near sites of initiation of DNA replication. All six ORC subunits are essential for initiation of DNA replication, and ORC may be involved in regulation of gene expression in response to stress. ORC6 is also expressed constantly throughout the cell cycle. ORC2, ORC3, ORC4 and ORC5 form a core complex upon which ORC6 and ORC1 assemble.

Uniprot ID:

[Q9Y5N6](#)

NCBI:

[NP_055136](#)

GeneID:

[23594](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2mM DTT

Description:

Recombinant human ORC6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMGSELIG RLAPRLGLAE PDMLRKAEY LRLSRVKCVG
LSARTTETSS AVMLDLAAS WMKCPDRAY LIKLSGLNKE TYQSCLKSFE CLLGLNSNIG
IRDLAVQFSC IEAVNMAKI LKSYESSLPQ TQQVDLDLSR PLFTSAALLS ACKILKLKVD
KNKMVATSGV KKAIFDRLCK QLEKIGQQVD REPGDVATPP RKRKKIVVEA PAKEMEKVEE
MPHKPQKDED LTQDYEEWKR KILENAASAQ KATAE

Molecular weight: 30.5 kDa (275aa) confirmed by MALDI-TOF

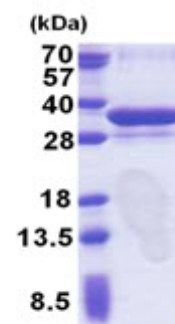
Storage:

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. Shelf life: one year from despatch.

General Readings:

Kreitz S., et al. (2000) J Biol Chem. 276:6337-6342Mendez J., et al. (2000) Mol Cell Biol. 20:8602-8612.

Pictures:



15% SDS-PAGE (3ug)