

32-4376: Recombinant Human Origin Recognition Complex, Subunit 6

Alternative Name : Origin Recognition Complex Subunit 6, Origin Recognition Complex Subunit 6 Homolog-Like (Yeast), ORC6L.

Description

Source : Escherichia Coli. ORC6 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 275 amino acids (1-252) and having a molecular mass of 30.5kDa. ORC6 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. ORC6 is a member of the origin recognition complex (ORC) which is a highly conserved heterohexameric protein complex. ORC contacts to DNA at or near sites of initiation of DNA replication and all of its six subunits are vital for initiation of DNA replication. Additionally, ORC takes part in regulation of gene expression in response to stress. ORC6 is regularly expressed throughout the cell cycle. ORC2, ORC3, ORC4 and ORC5 form a primary complex at which point ORC6 and ORC1 assemble.

Product Info

Amount : 10 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : The ORC6 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 40% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMGSELIG RLAPRLGLAE PDMLRKAEY LRLSRVKCVG LSARTTETSS
AVMCLDLAAS WMKCPLDRAY LIKLSGLNKE TYQSCLKSFE CLLGLNSNIG IRDLAVQFSC IEAVNMASKI
LKSYESLTPQ TQQVDLDSR PLFTSAALLS ACKILKLVKVD KNKMWATSGV KKAIFDRLCK QLEKIGQQVD
REPGDVATPP RKRKKIVVEA PAKEMEKVEE MPHKPQKDED LTQDYEEWKR KILENAASQA KATAE